



CCA GCA ACC AAT GAT GCC CGT T-TAMRA-3'
CA GCA ACC AAT GAT GCC CGT T-TAMRA-3'

CCA GCA AGC ACT GAT GCC TGT T-TAMRA-3'
CA GCA AGC ACT GAT GCC TGT T-TAMRA-3'

Fig. 1A

Fluorescent Dyes

	Absorbance Maxima	Emission Maxima
Fluorescein	494nm	525nm
Tetrachloro fluorescein	521nm	536nm
TAMRA	565nm	580nm

Fig. 1B

Cleaved Fragments:

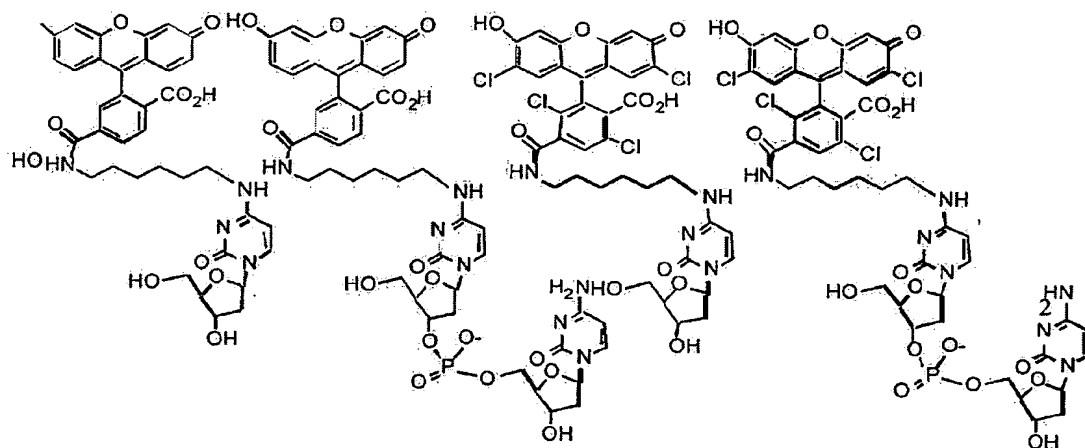


Fig. 1C

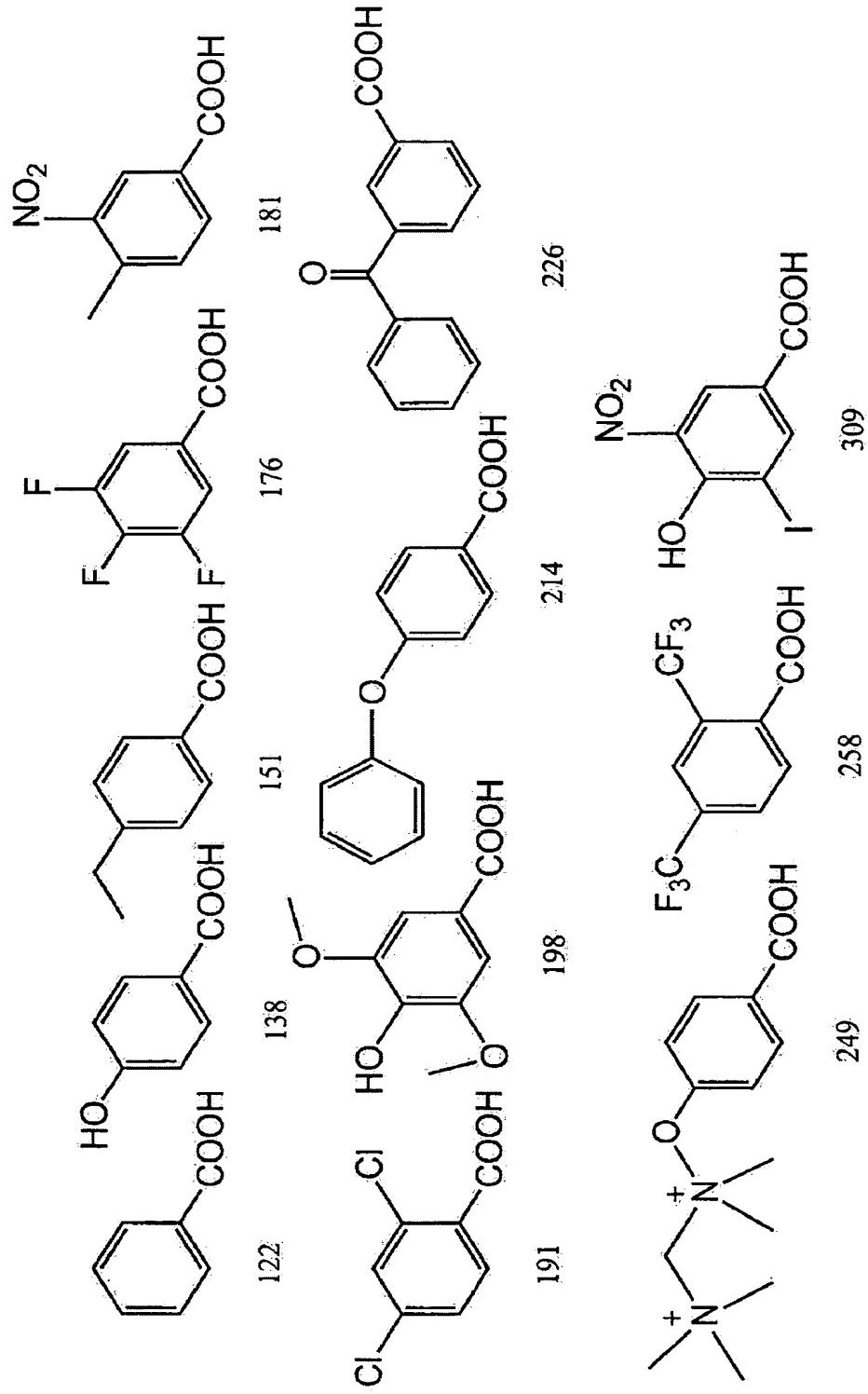


Fig. 2

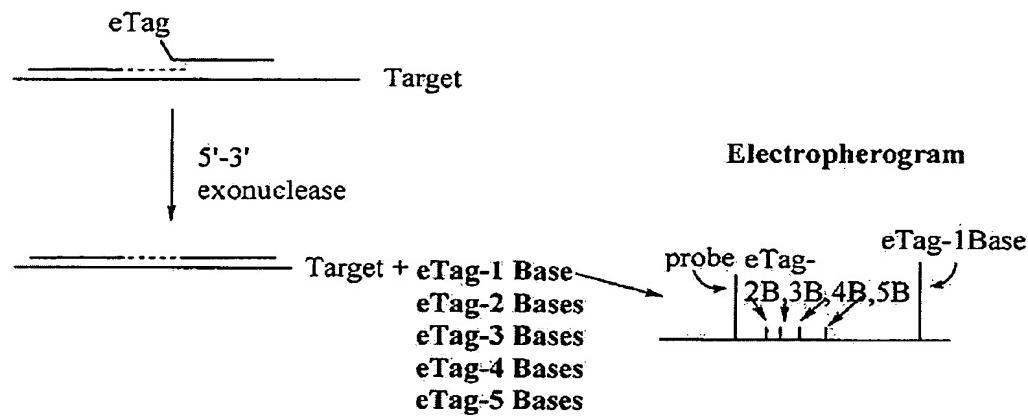


Fig. 3A

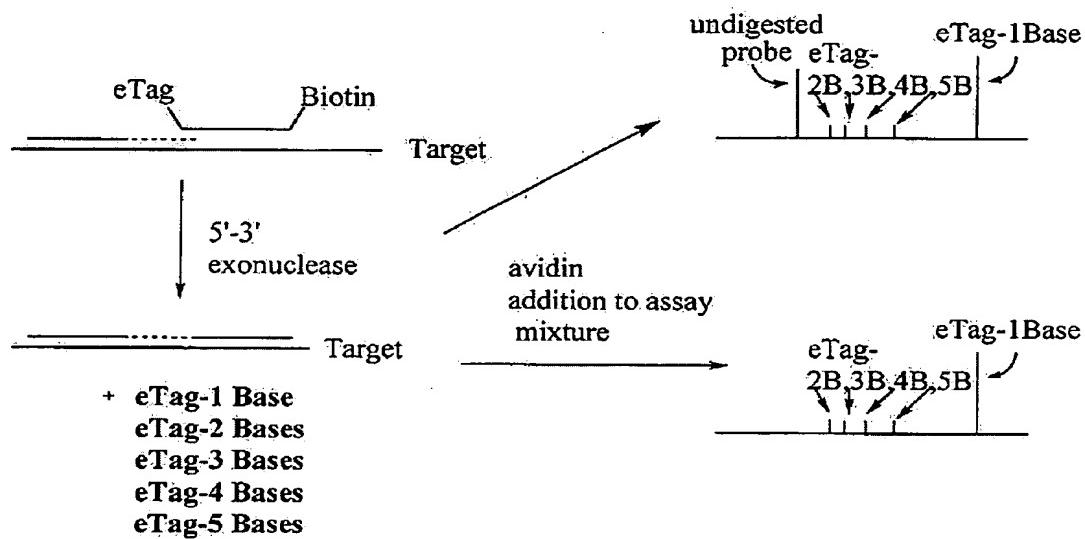


Fig. 3B

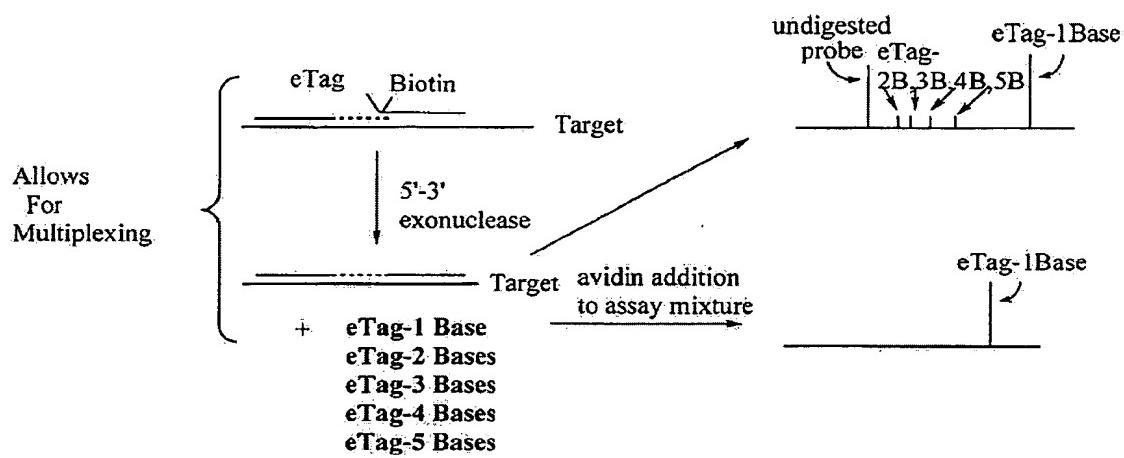


Fig. 3C

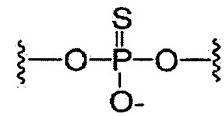


Fig. 3D

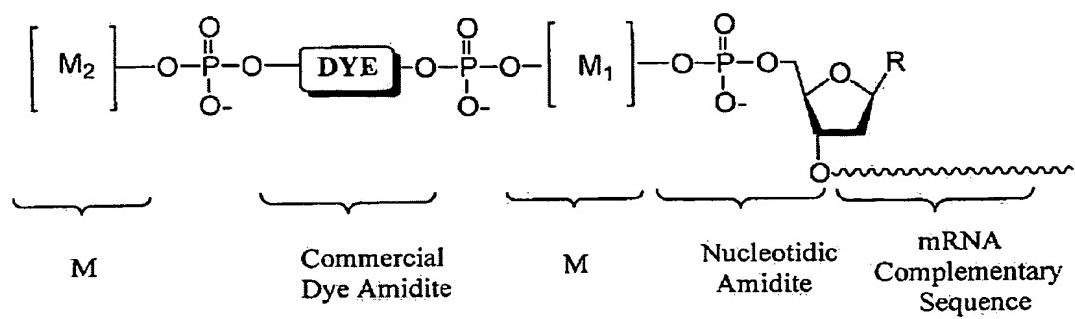


Fig. 4

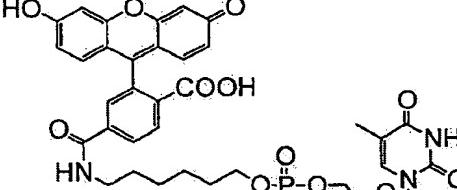
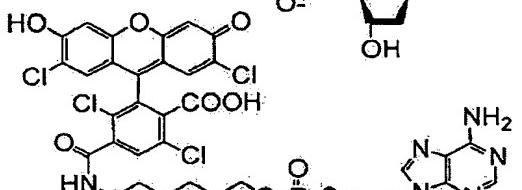
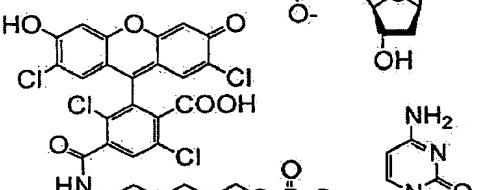
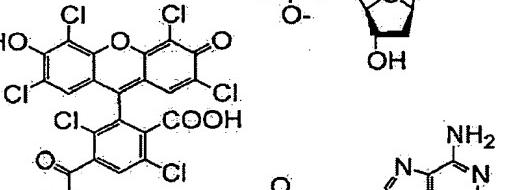
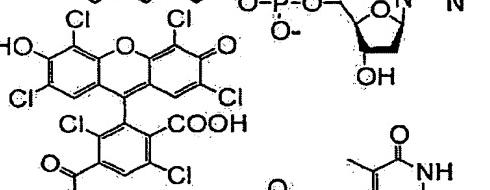
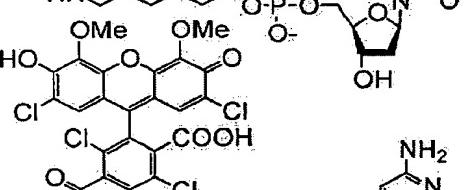
<u>e-tag Reporter</u>	<u>Elution Time on CE, min</u>	<u>Mass</u>
	6.4	778
	7.1	925
	7.3	901
	7.7	994
	8.0	985
	9.25	961

Fig. 5

e-tag Reporter	Charge	Elution Time, min
O-C(=O)-Fluorescein HN-(CH ₂) ₅ -O-P-C ₃ C ₃ C ₃ C ₃ C ₃ -dC	-8	12.1*
O-C(=O)-Fluorescein HN-(CH ₂) ₅ -O-P-O-C ₆ C ₆ C ₆ C ₆ C ₆ -dC	-9	12.7
O-C(=O)-Fluorescein HN-(CH ₂) ₅ -O-P-O-C ₆ C ₆ C ₆ C ₆ C ₆ -dC	-8	12.8
O-C(=O)-Fluorescein HN-(CH ₂) ₅ -O-P-O-C ₆ C ₆ C ₆ C ₆ -dC	-7	13.1
O-C(=O)-Fluorescein HN-(CH ₂) ₅ -O-P-O-C ₃ C ₃ C ₉ -dC	-6	13.0
O-C(=O)-Fluorescein HN-(CH ₂) ₅ -O-P-O-C ₆ C ₆ C ₆ -dC	-6	13.4
O-C(=O)-Fluorescein HN-(CH ₂) ₅ -O-P-O-C ₃ C ₃ -dC	-5	12.8*
O-C(=O)-Fluorescein HN-(CH ₂) ₅ -O-P-O-C ₃ C ₉ -dC	-5	13.2*
O-C(=O)-Fluorescein HN-(CH ₂) ₅ -O-P-O-C ₉ C ₉ -dC	-5	14.8
O-C(=O)-Fluorescein HN-(CH ₂) ₅ -O-P-O-TTdT-dC	-6	17.3
O-C(=O)-Fluorescein HN-(CH ₂) ₅ -O-P-O-TTdT	-5	17.0
O-C(=O)-Fluorescein HN-(CH ₂) ₅ -O-P-O-C ₉ -dT	-4	15.2*
O-C(=O)-Fluorescein HN-(CH ₂) ₅ -O-P-O-TdT	-4	16.5

Fig. 6

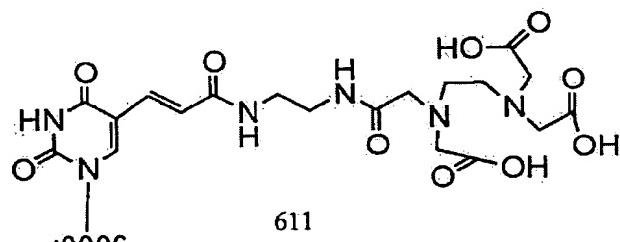
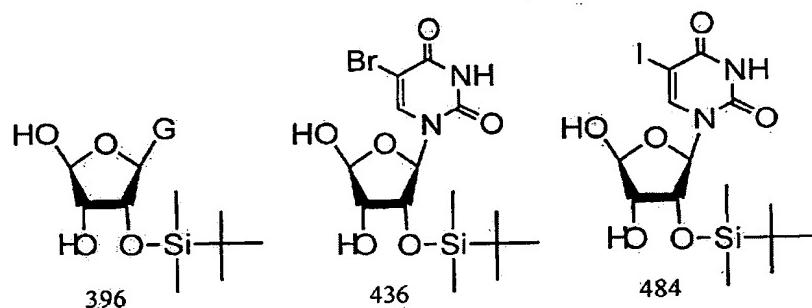
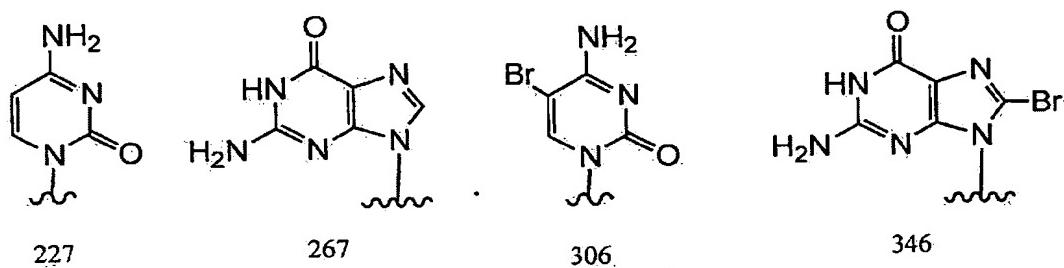
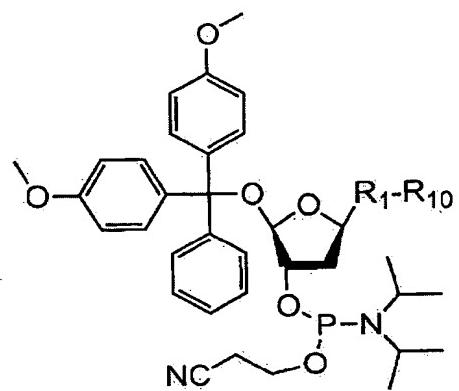


Fig. 7

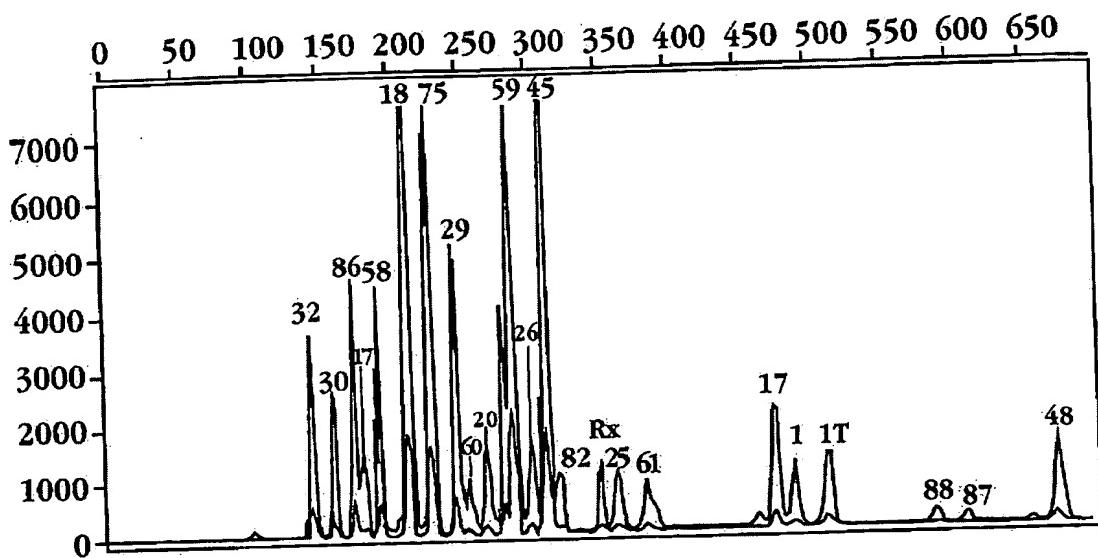


Fig. 8

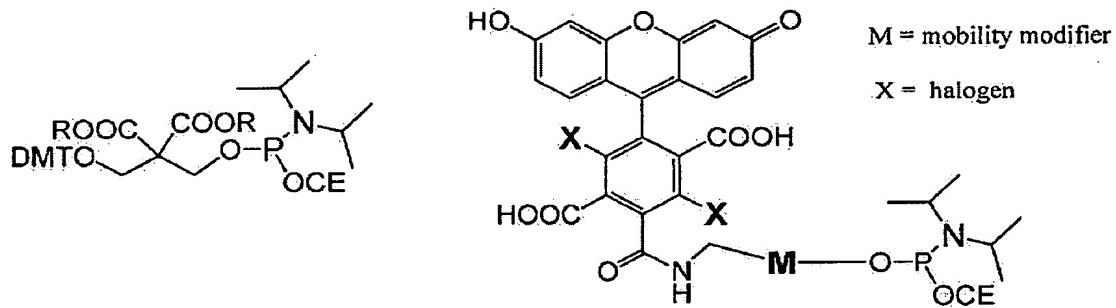


Fig. 9

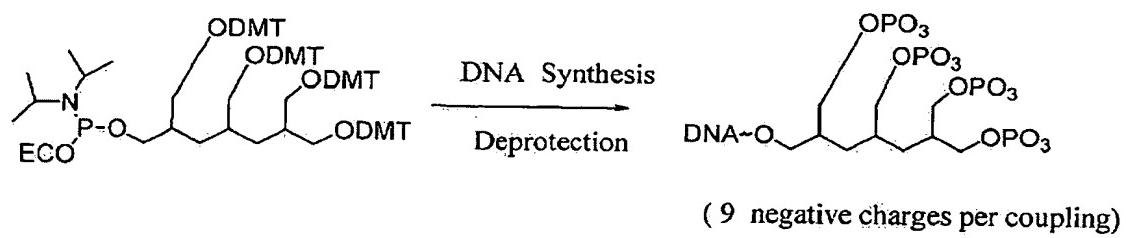


Fig. 10

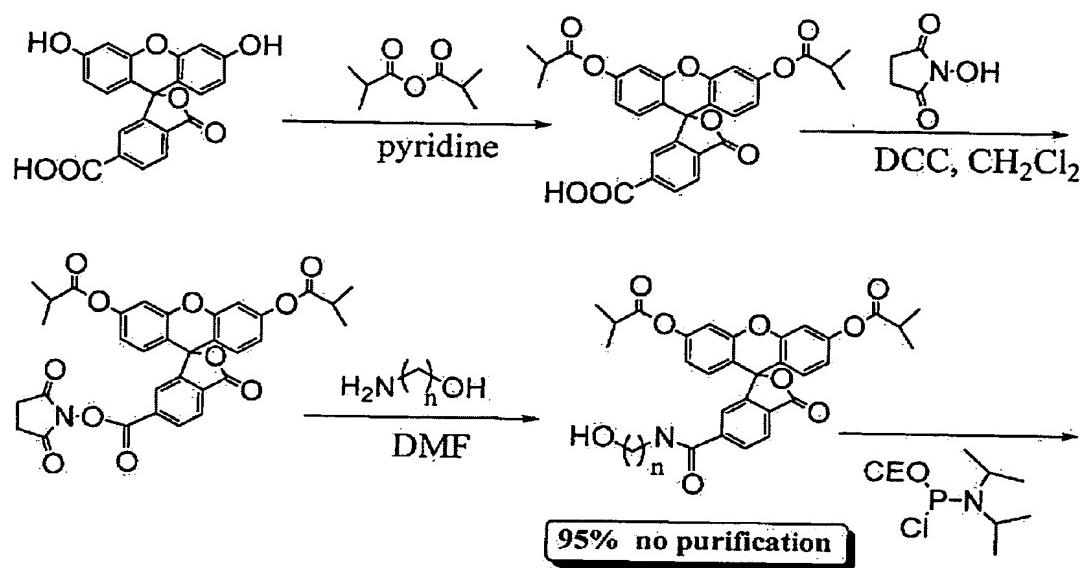


Fig. 11

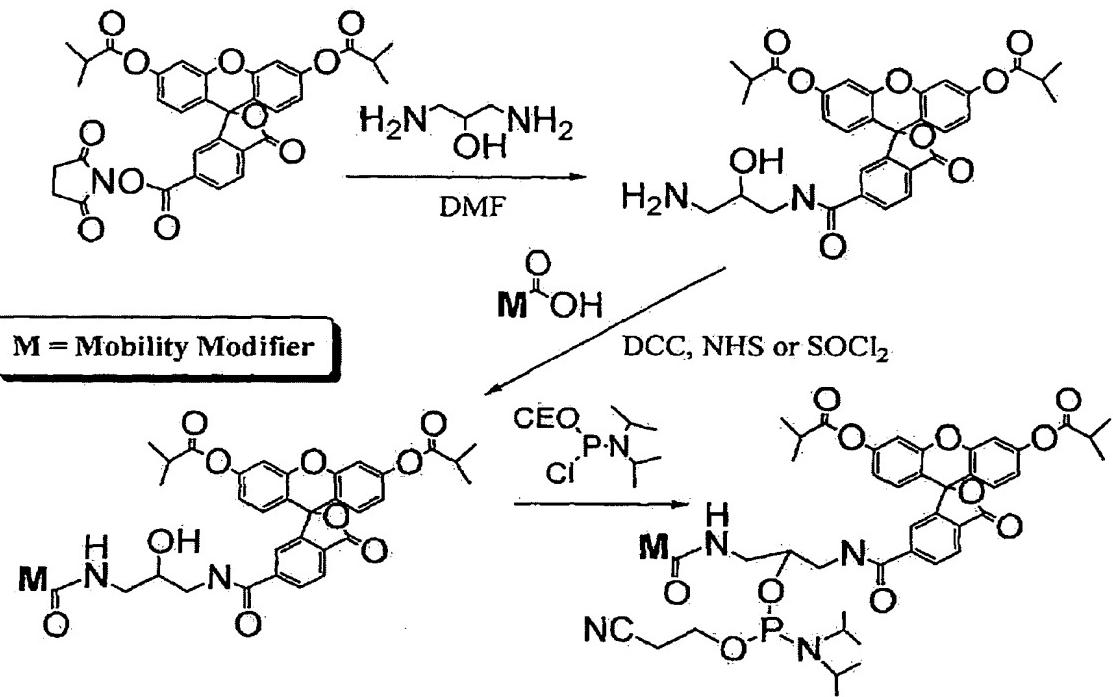


Fig. 12

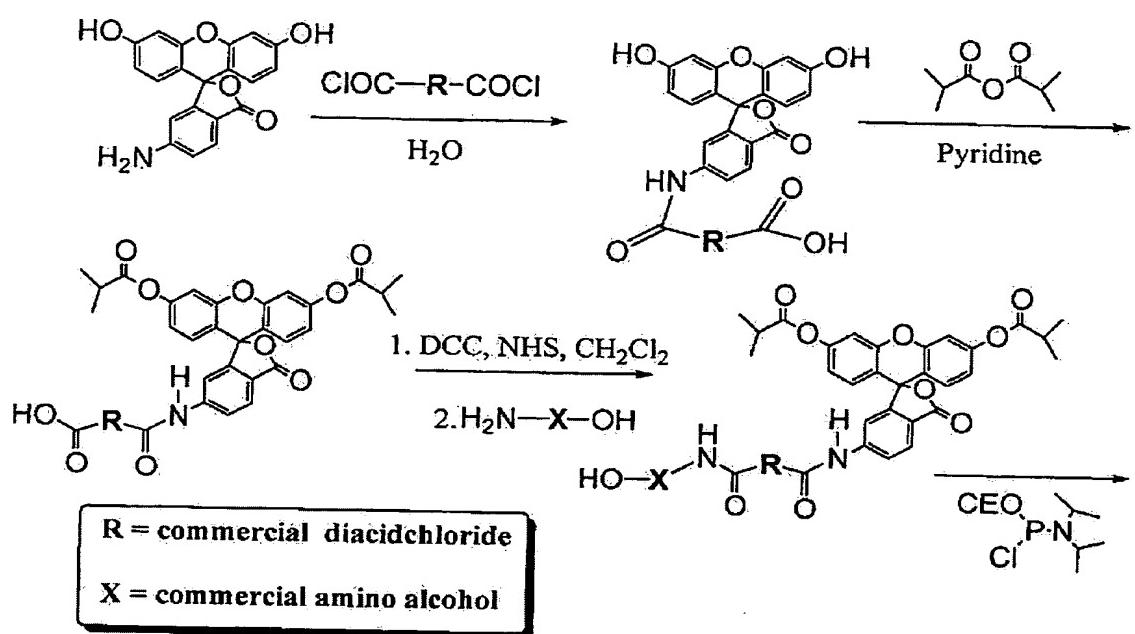


Fig. 13

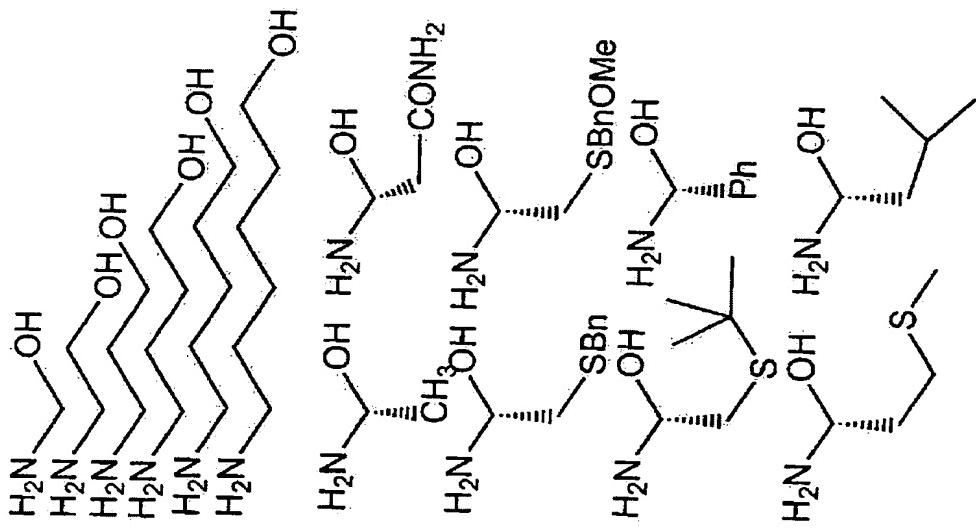
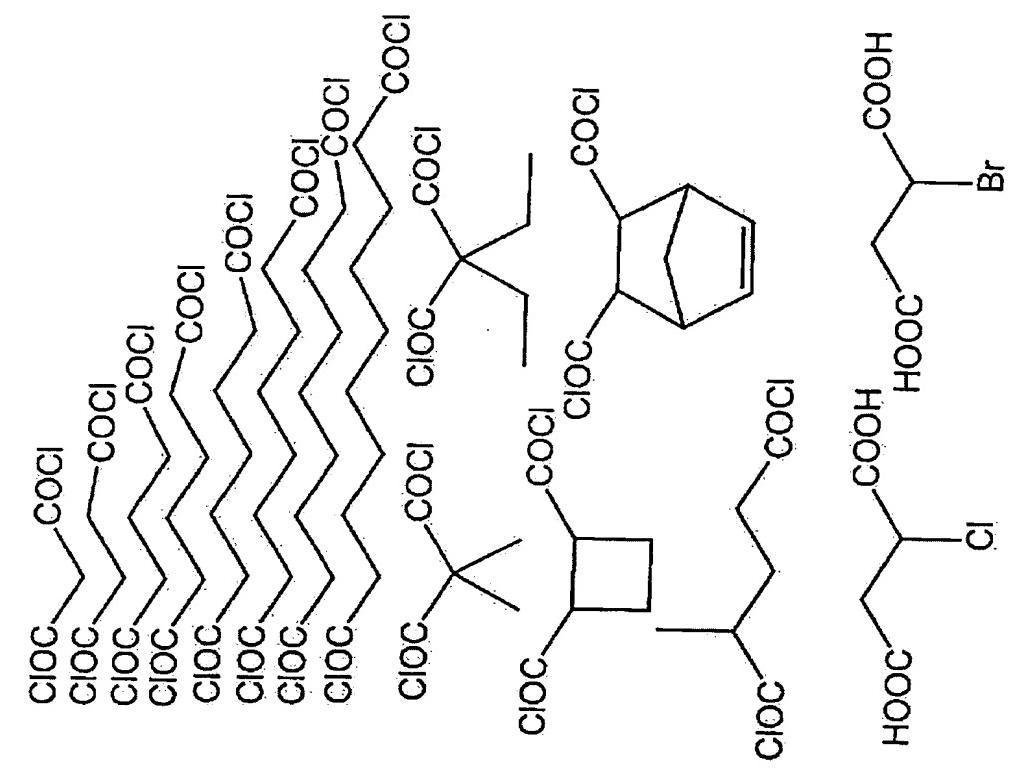


Fig. 14

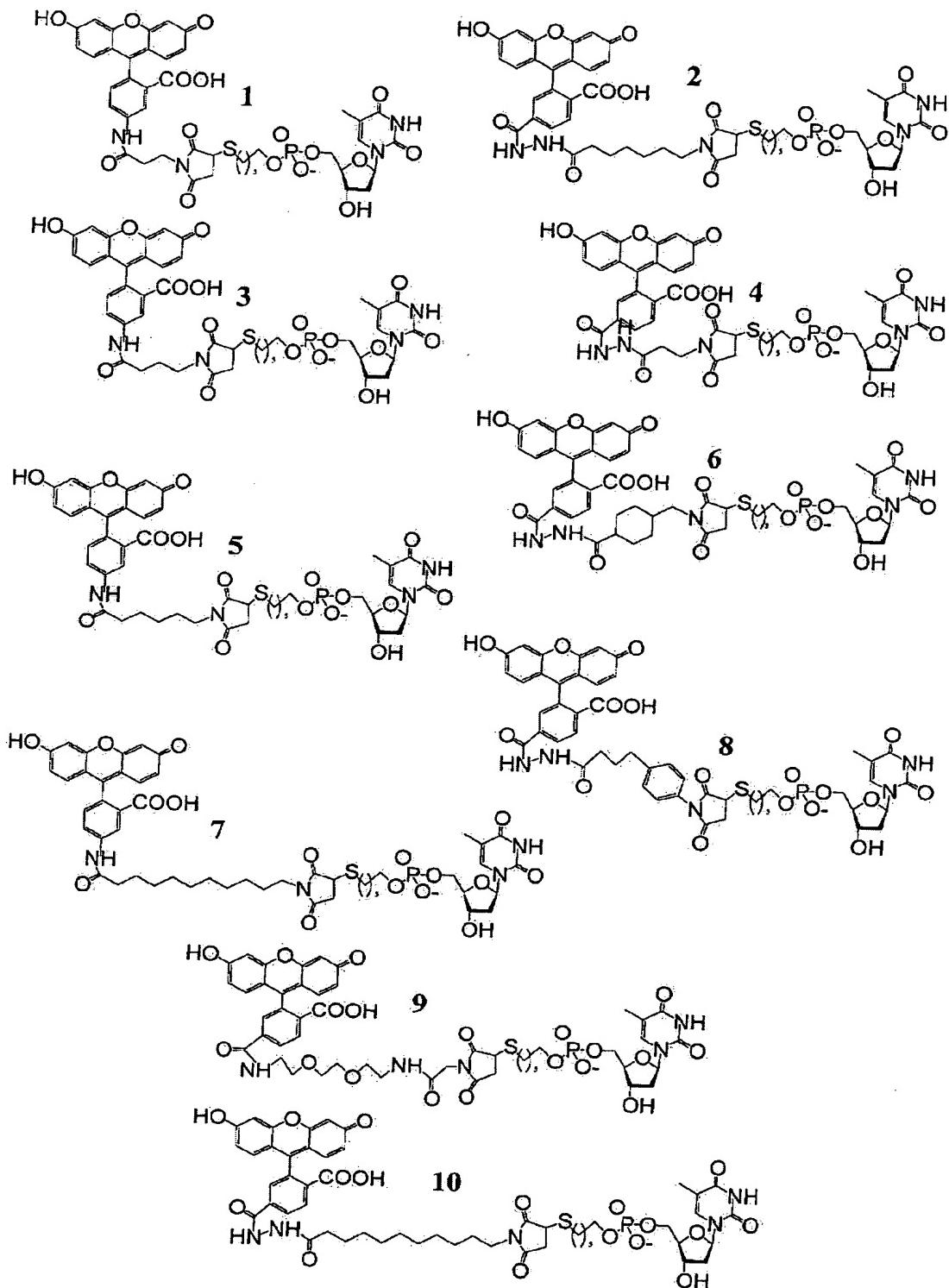


Fig. 15

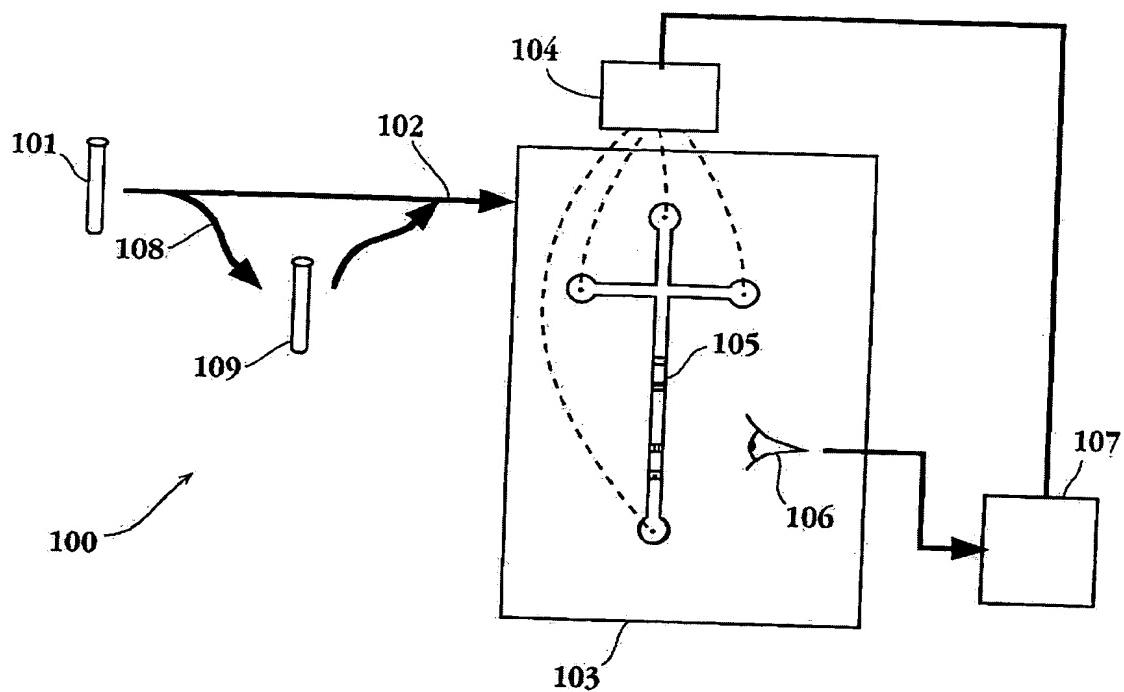


Fig. 16

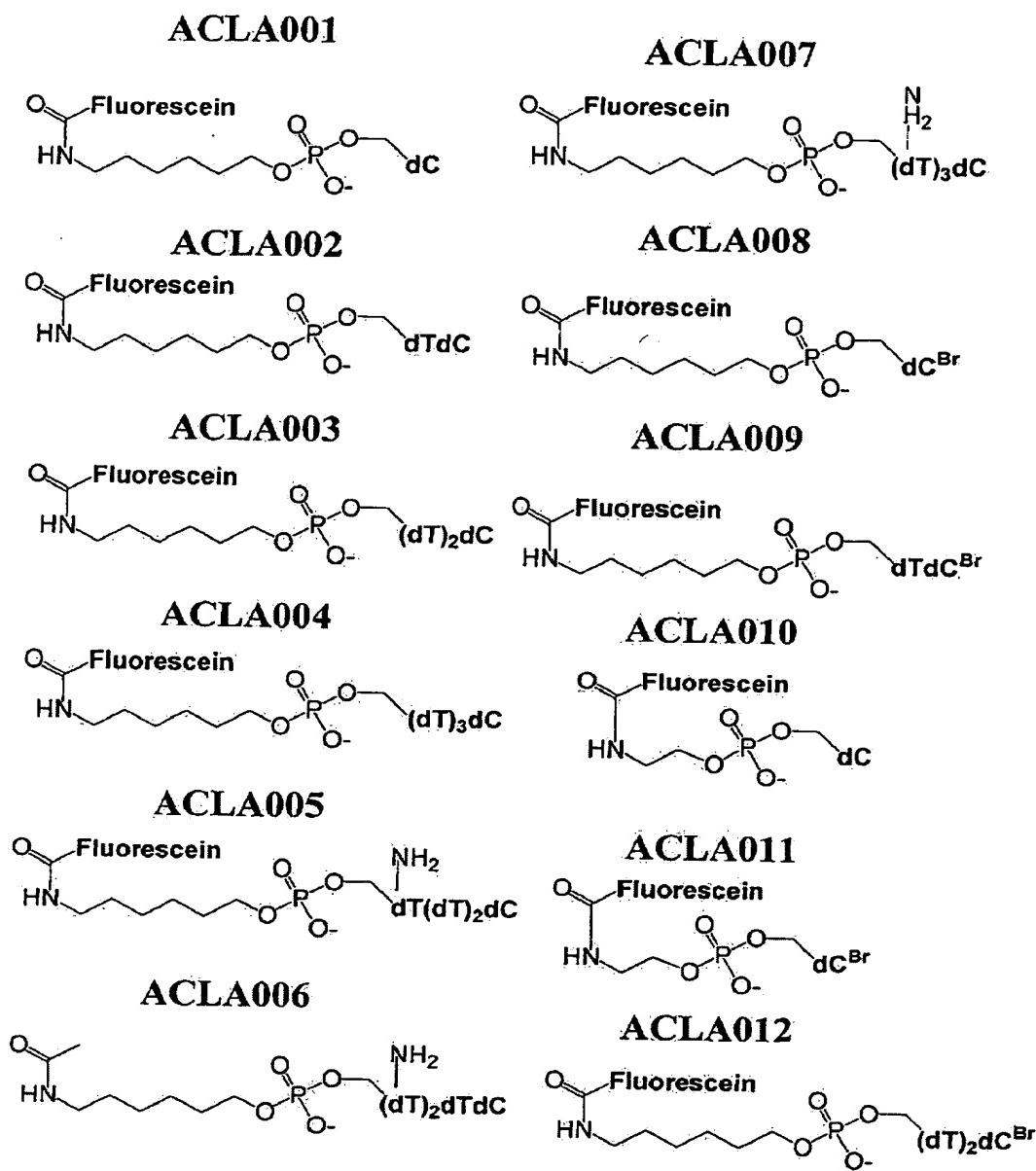


Fig. 17A

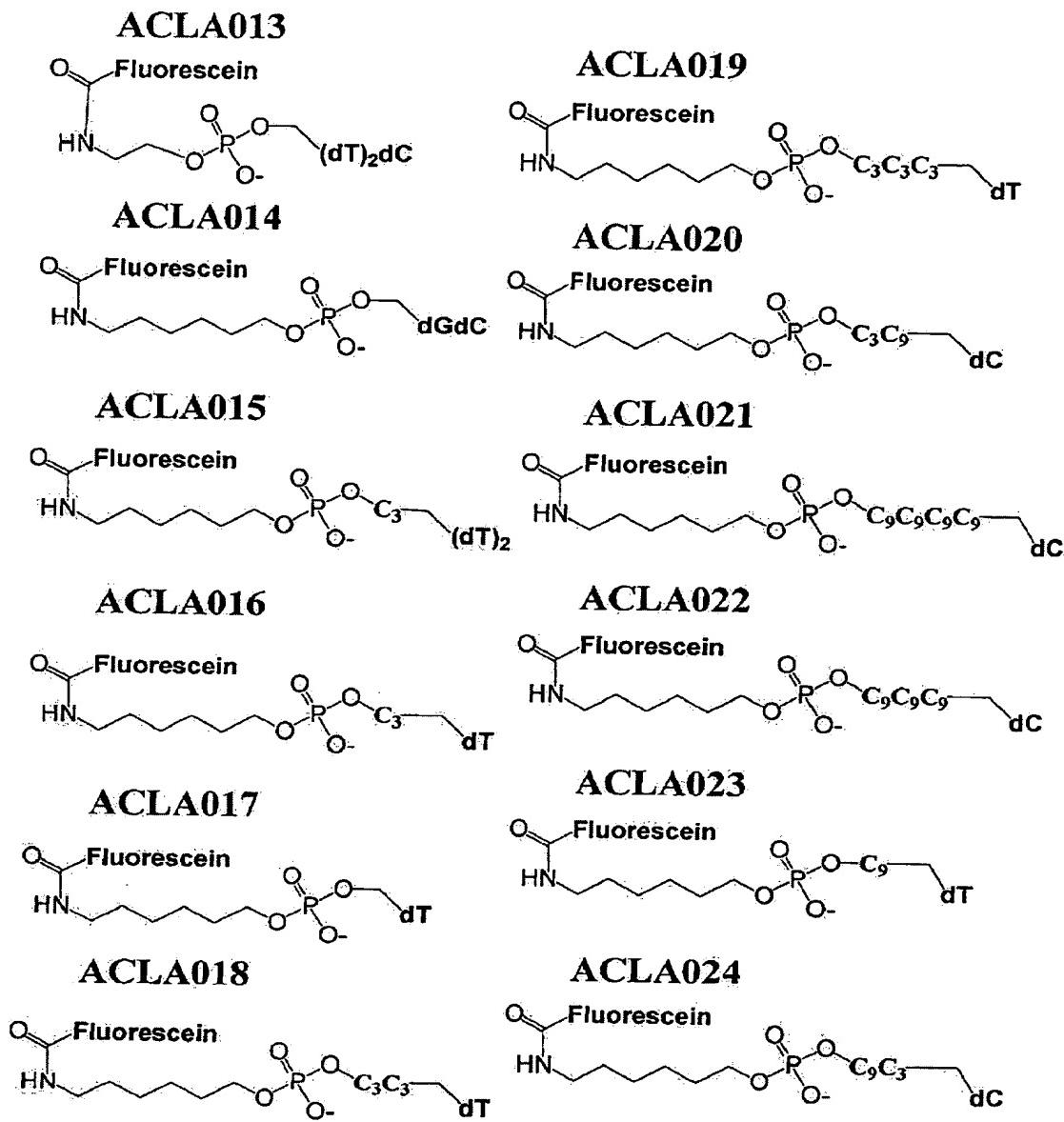


Fig. 17B

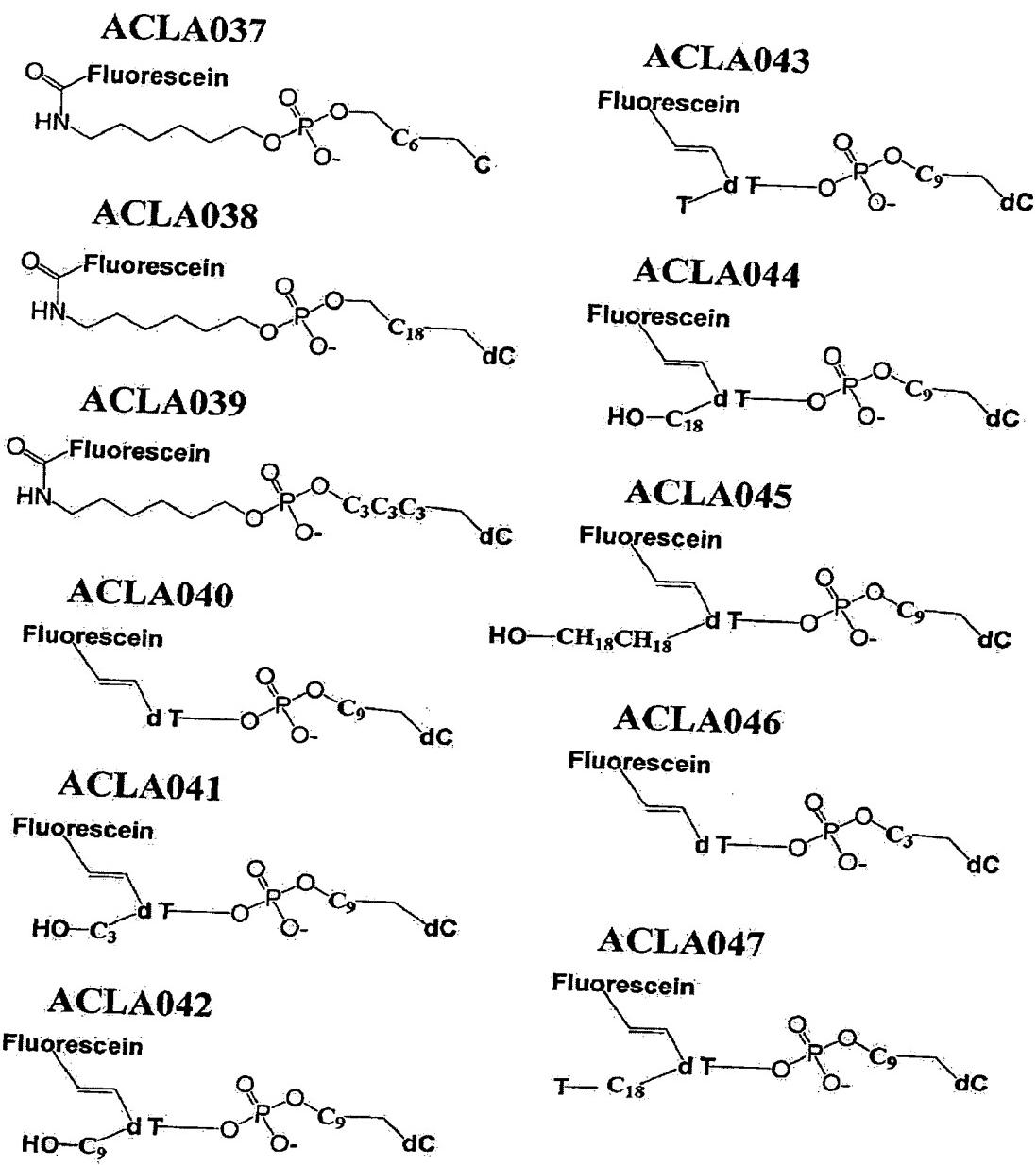


Fig. 17D

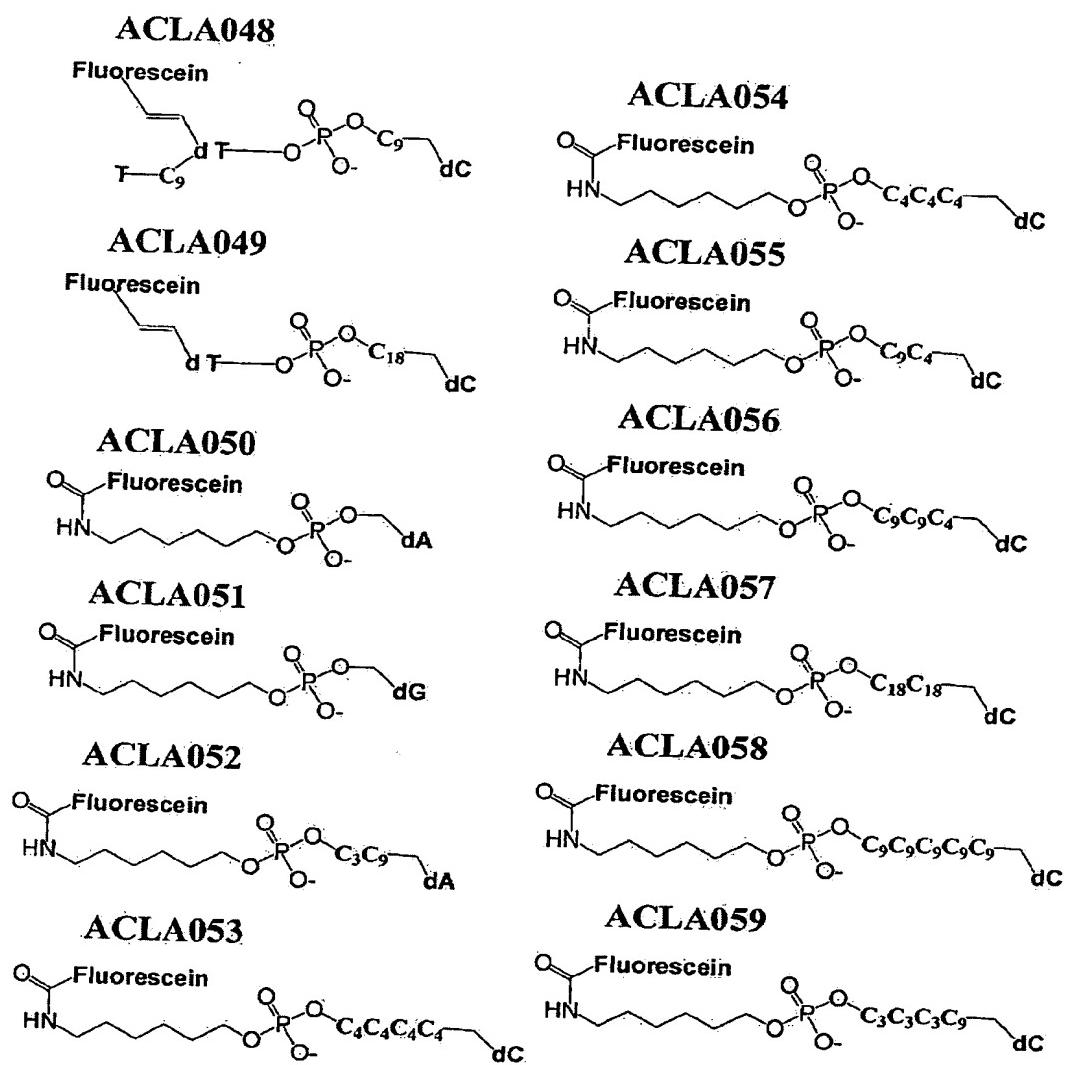


Fig. 17E

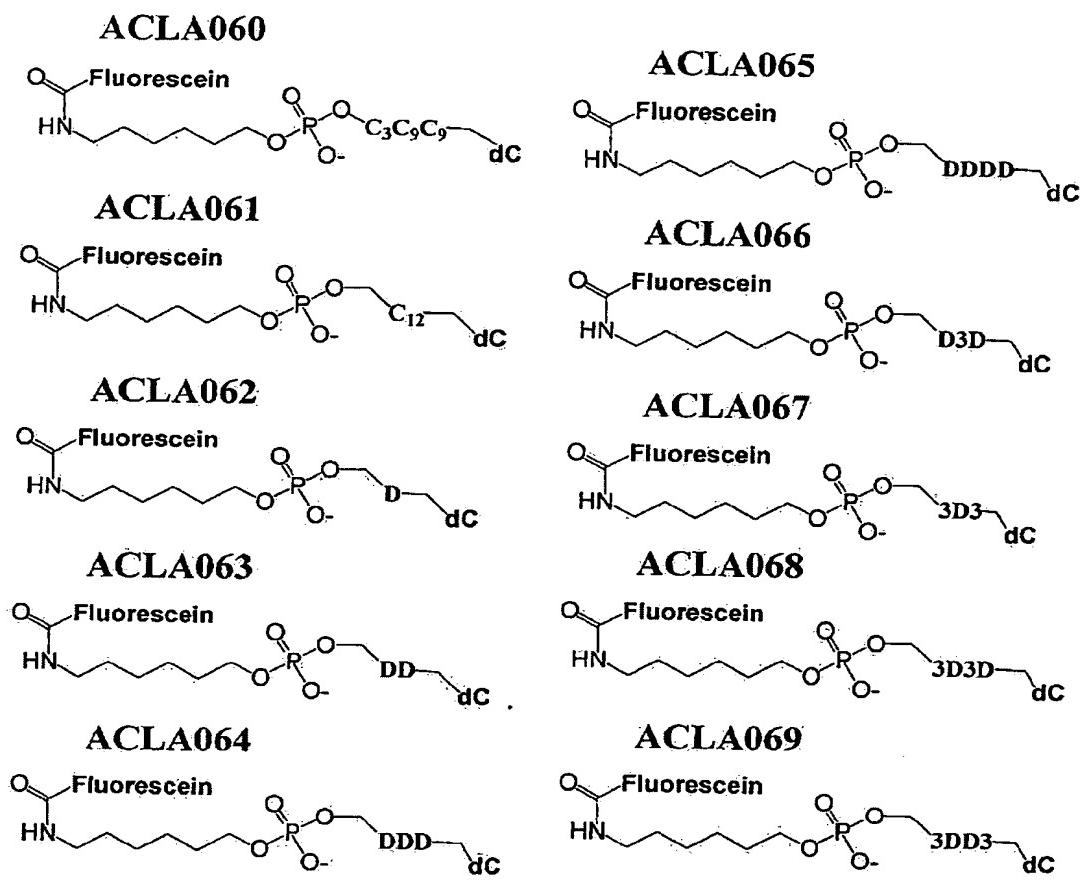
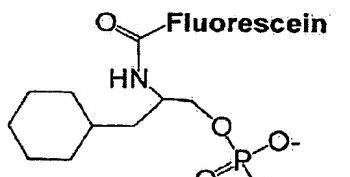
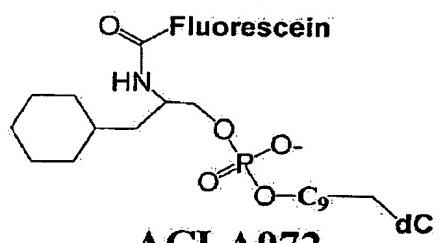


Fig. 17F

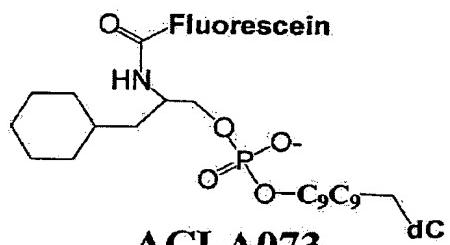
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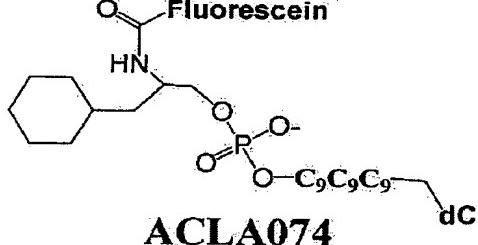
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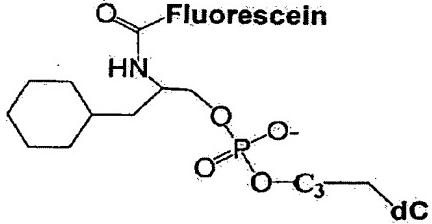
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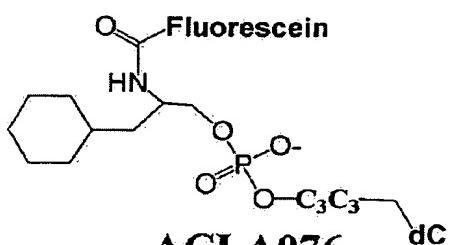
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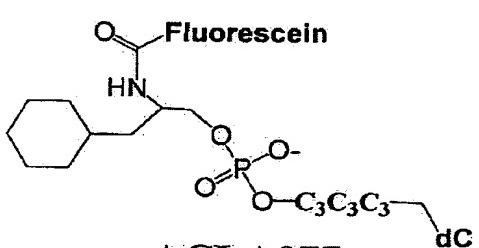
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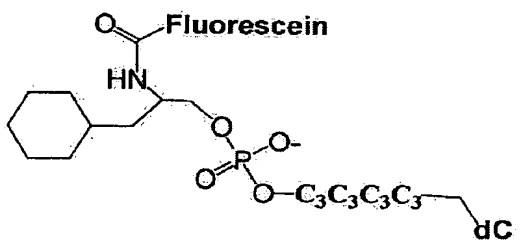
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ACLA076



ACLA077



ACLA078

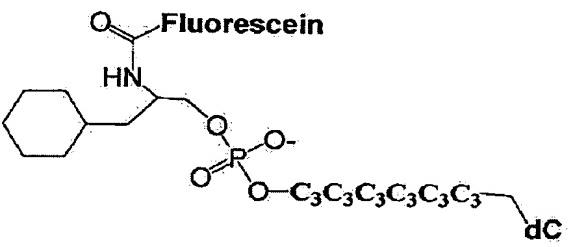


Fig. 17G

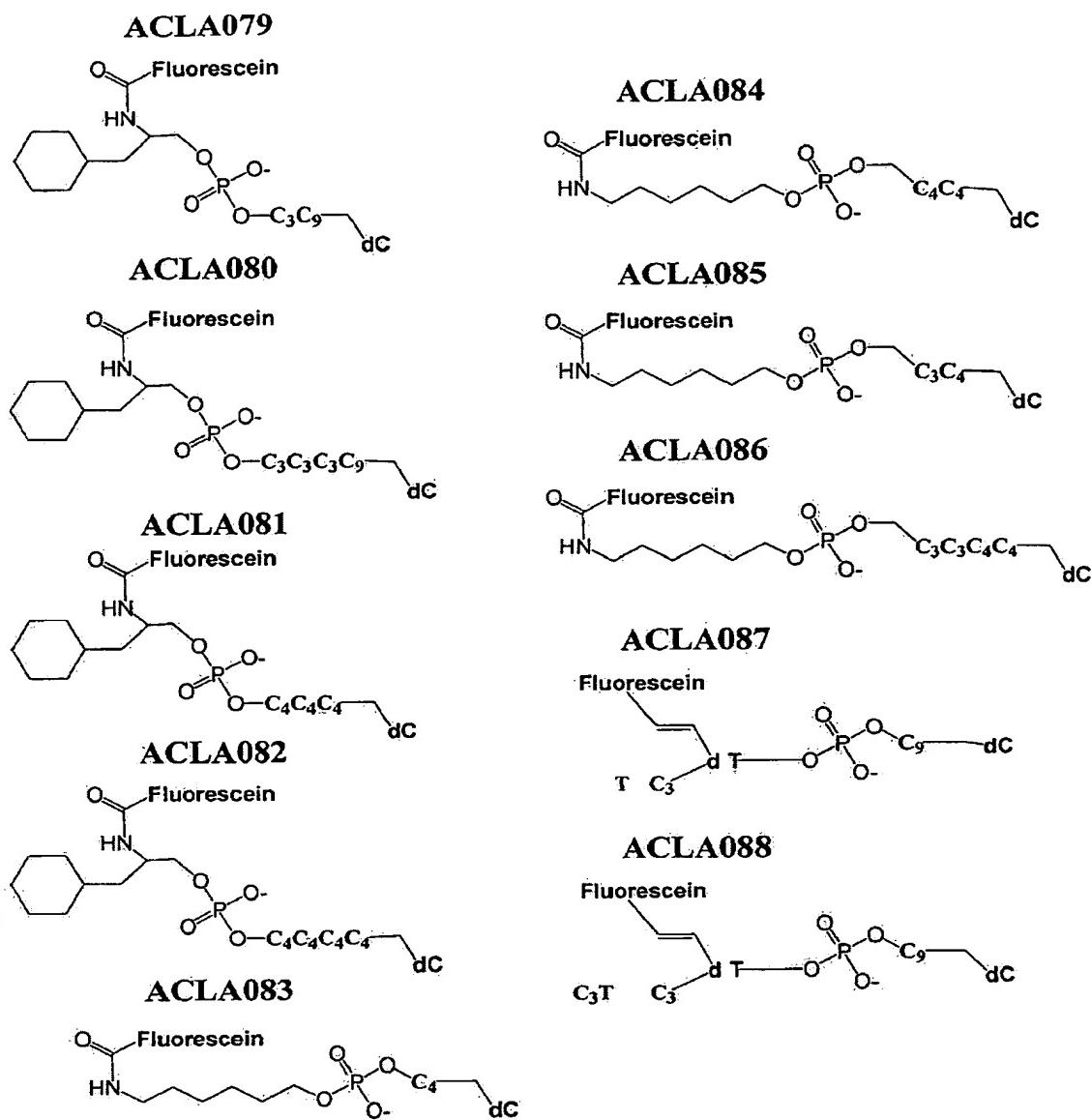


Fig. 17H

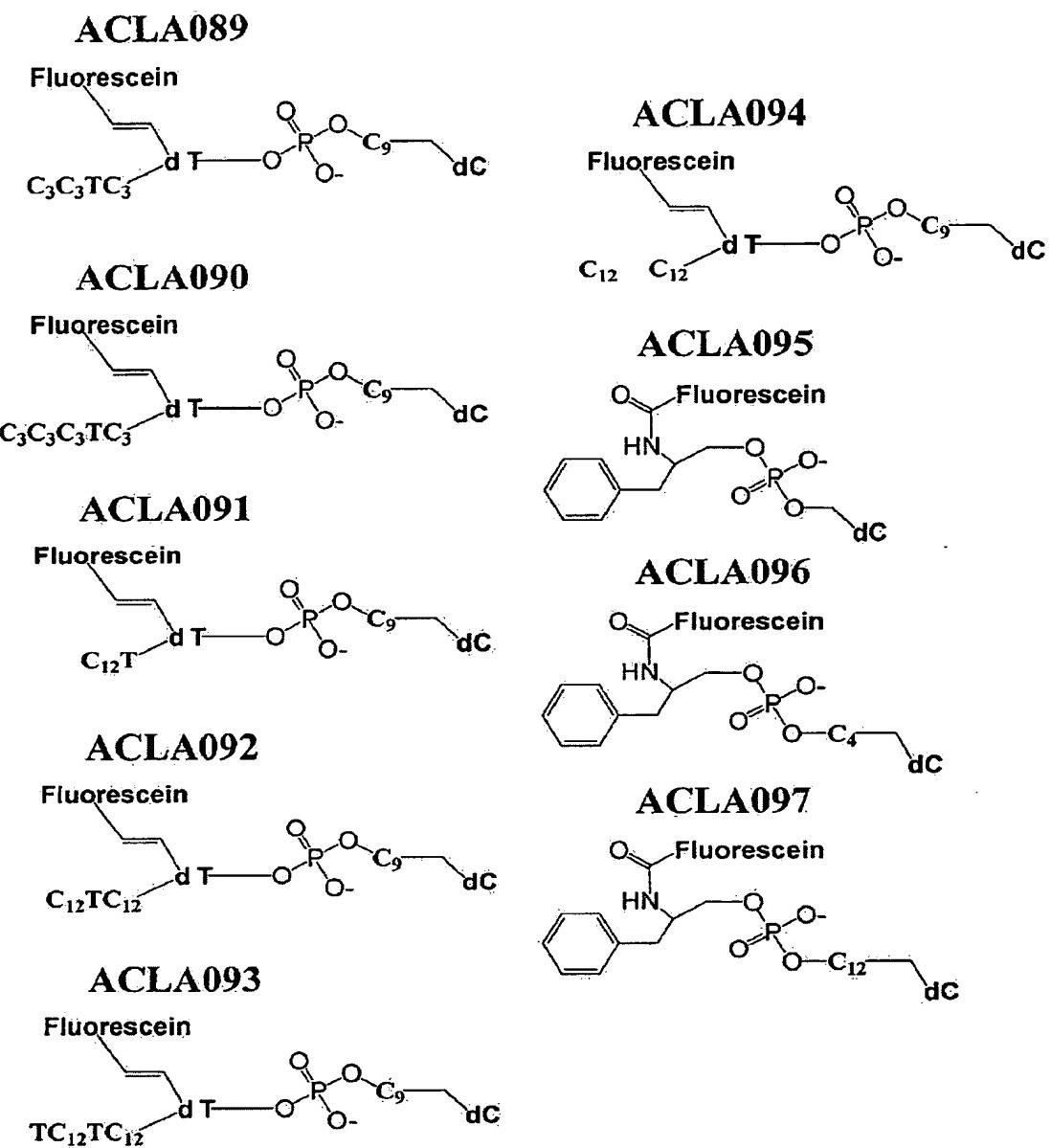


Fig. 17I

ET-ACLA001

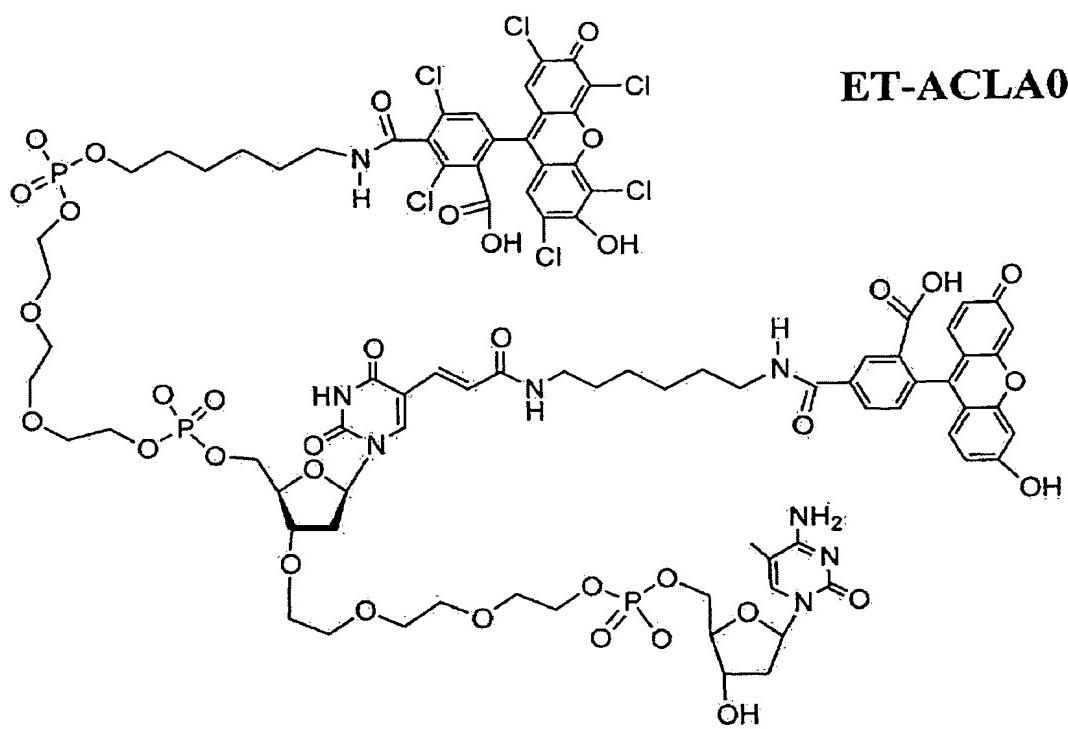


Fig. 17J

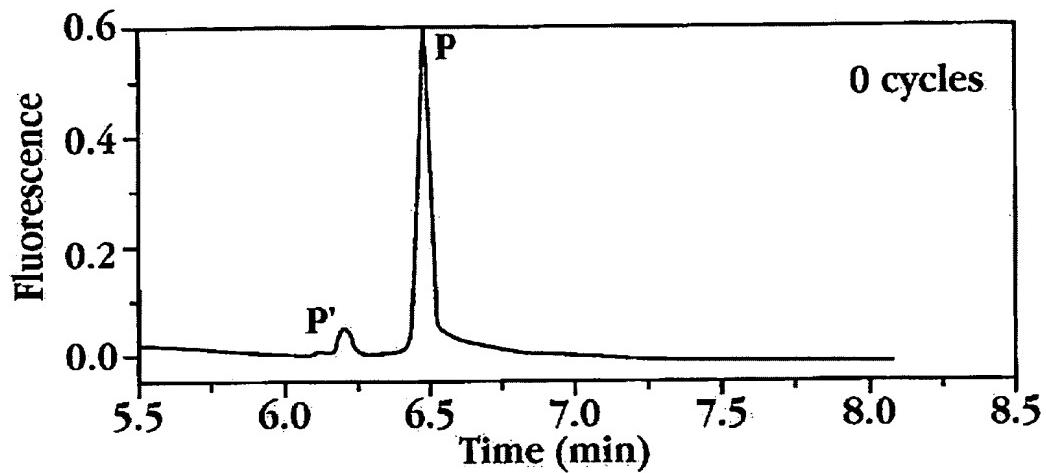


Fig. 18A

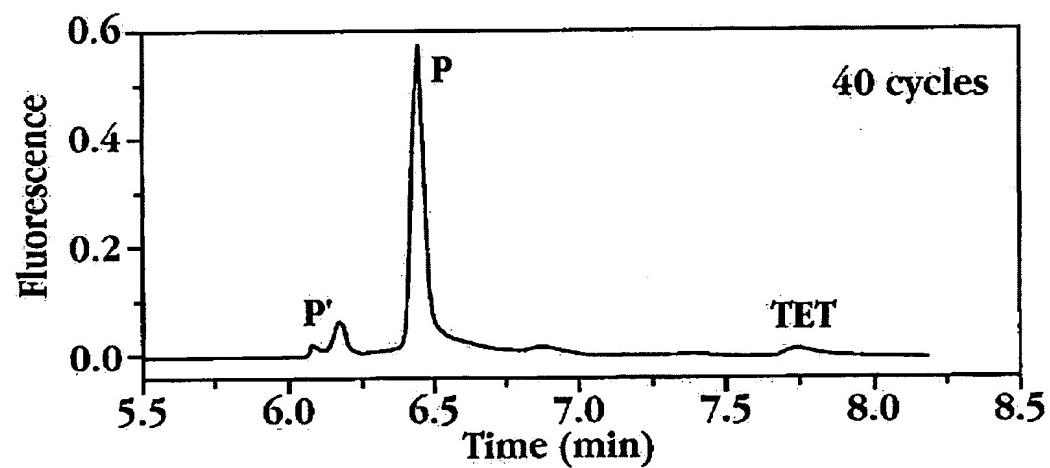


Fig. 18B

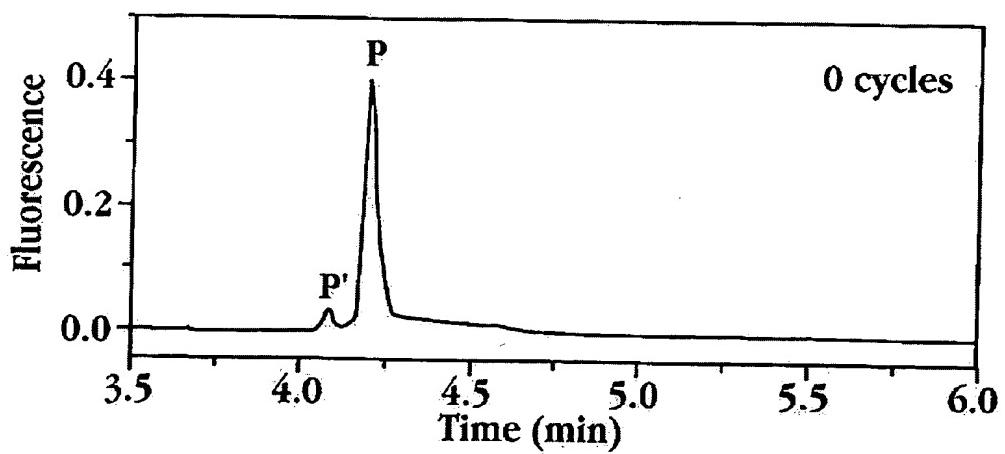


Fig. 19A

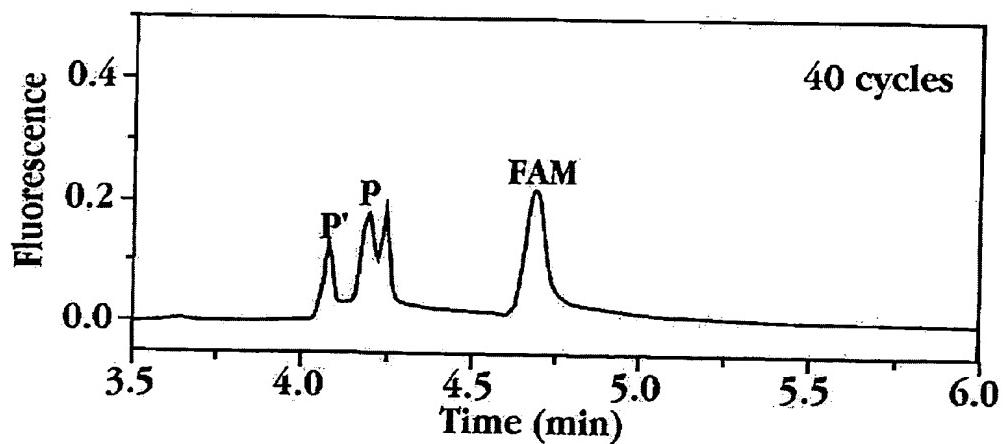


Fig. 19B

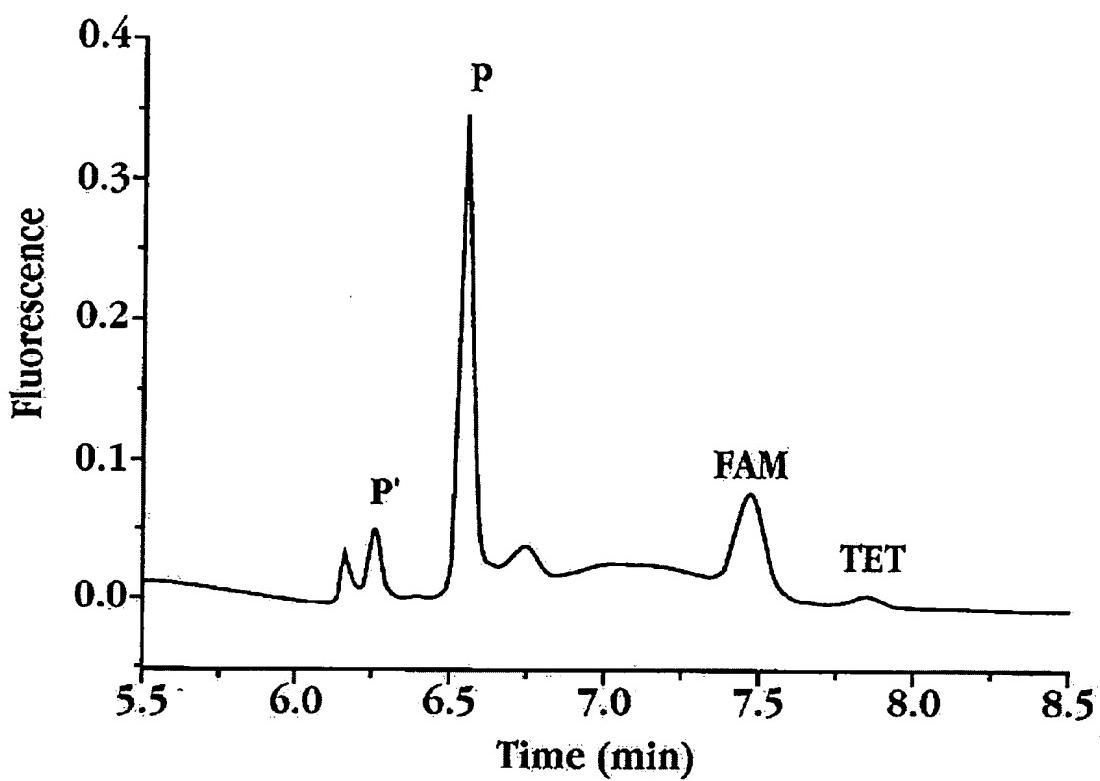


Fig. 20

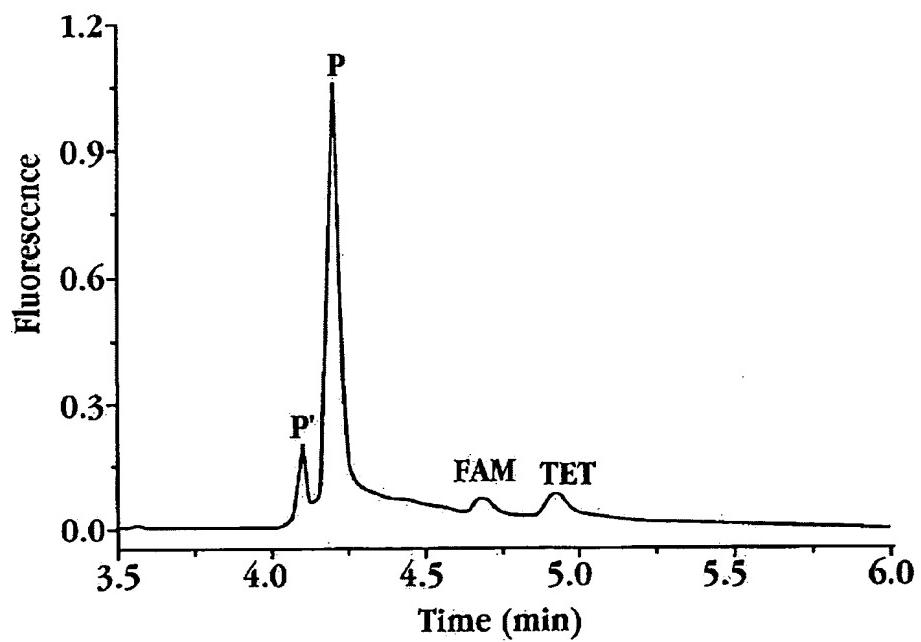


Fig. 21

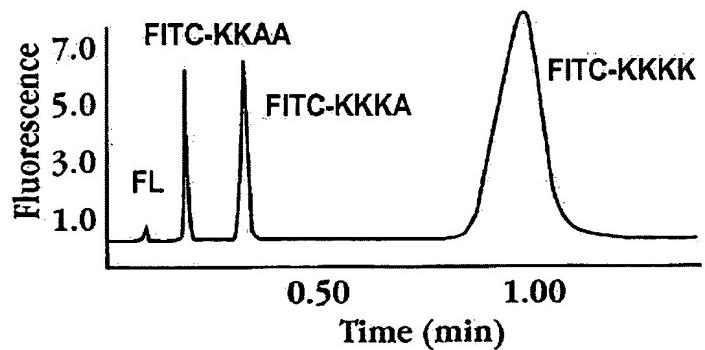


Fig. 22

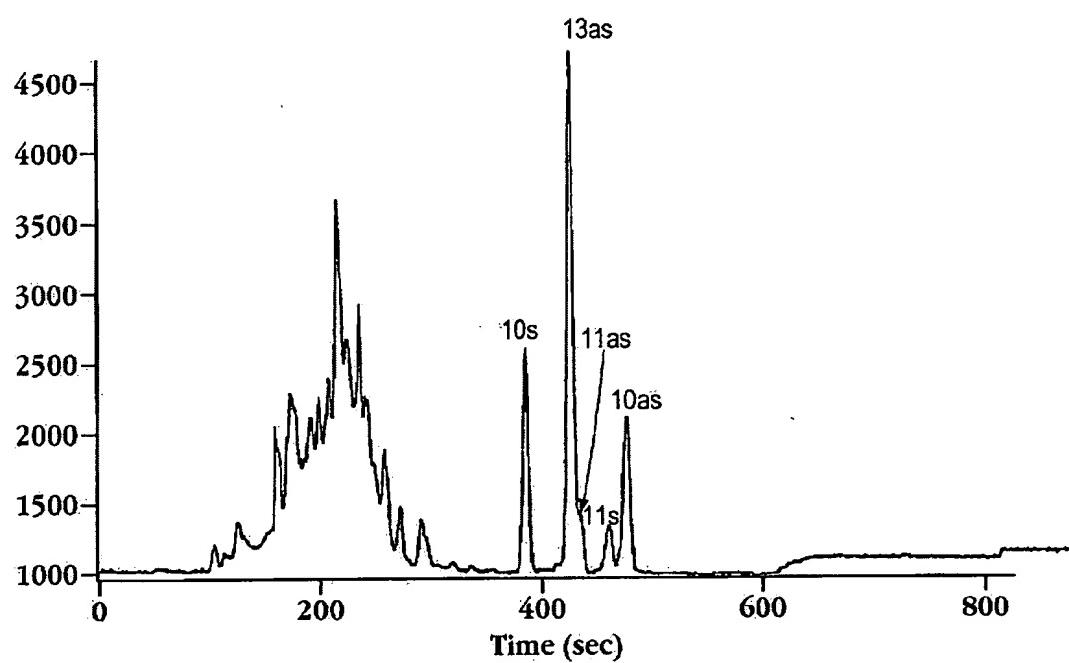


Fig. 23A

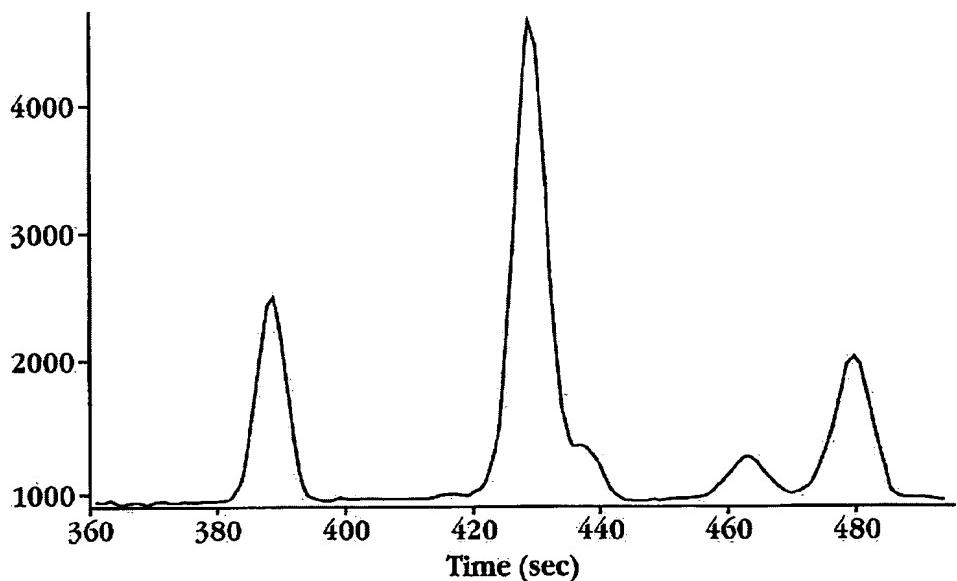


Fig. 23B

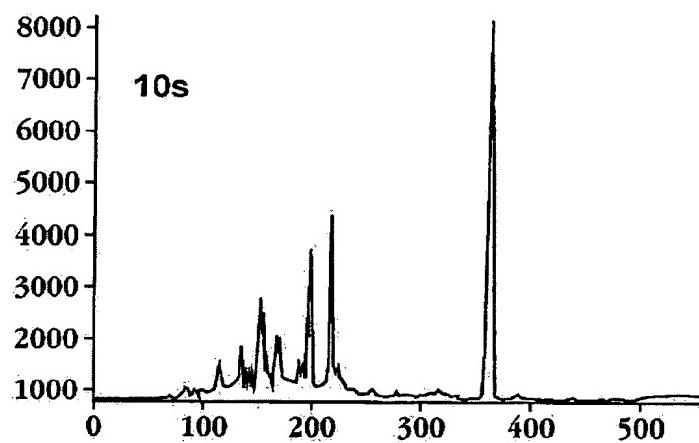


Fig. 23C

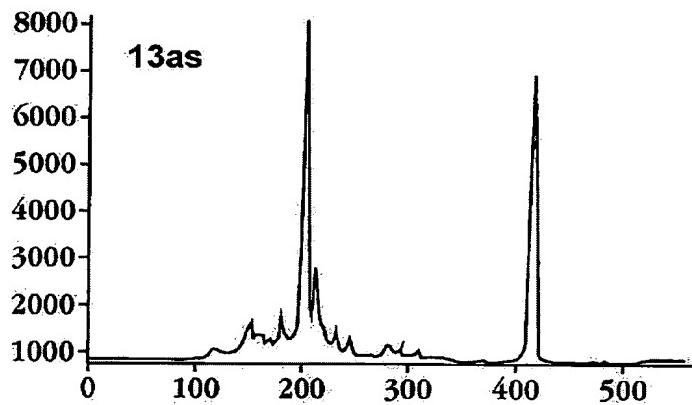


Fig. 23D

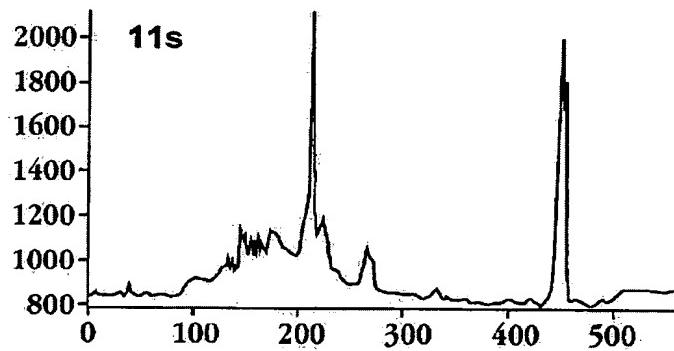


Fig. 23E

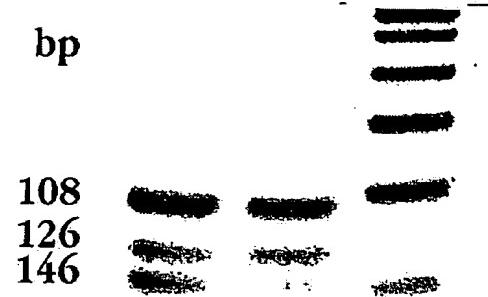


Fig. 23F

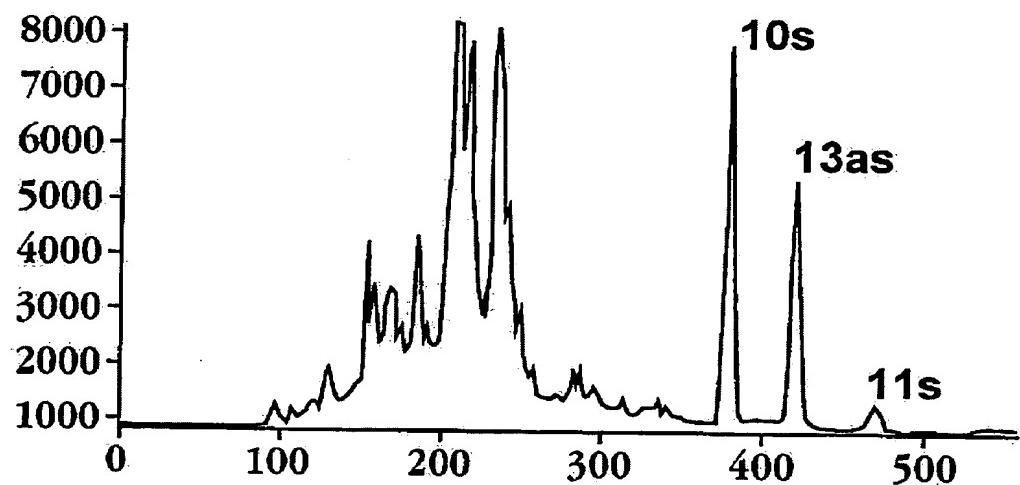


Fig. 23G

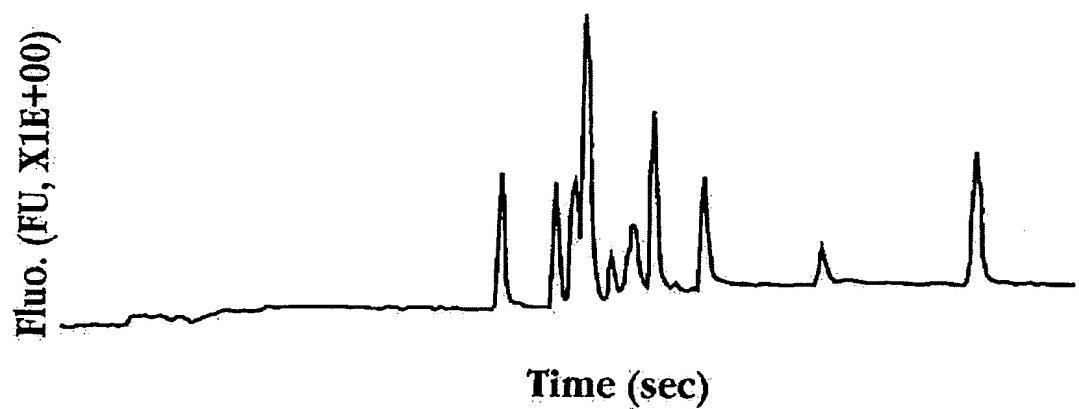


Fig. 24

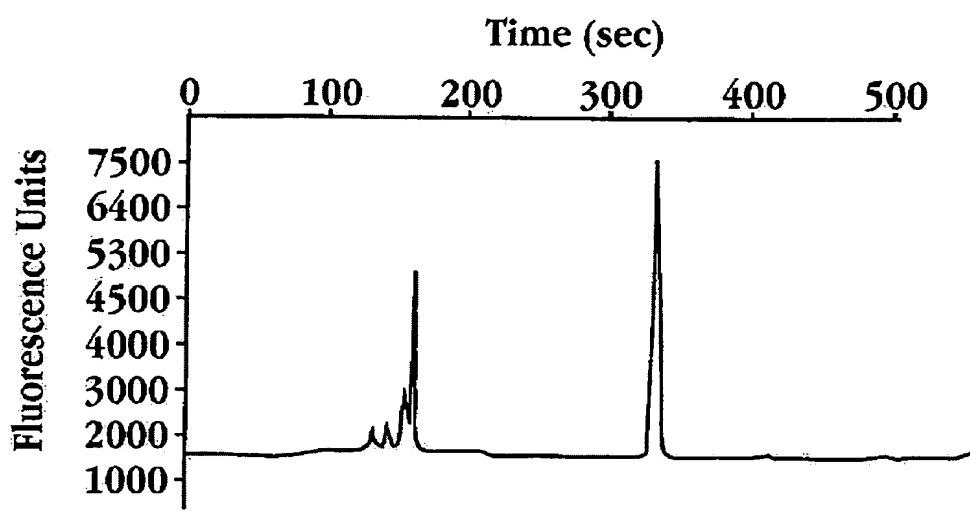


Fig. 25A

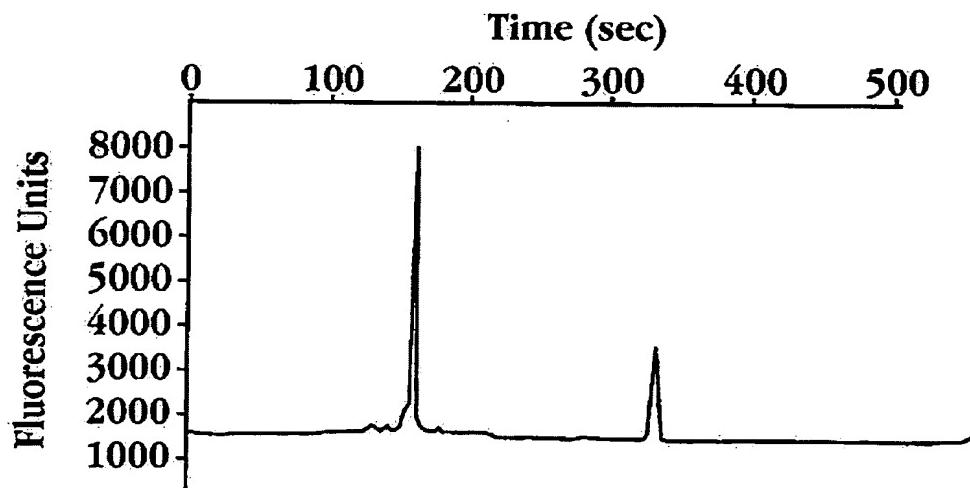


Fig. 25B

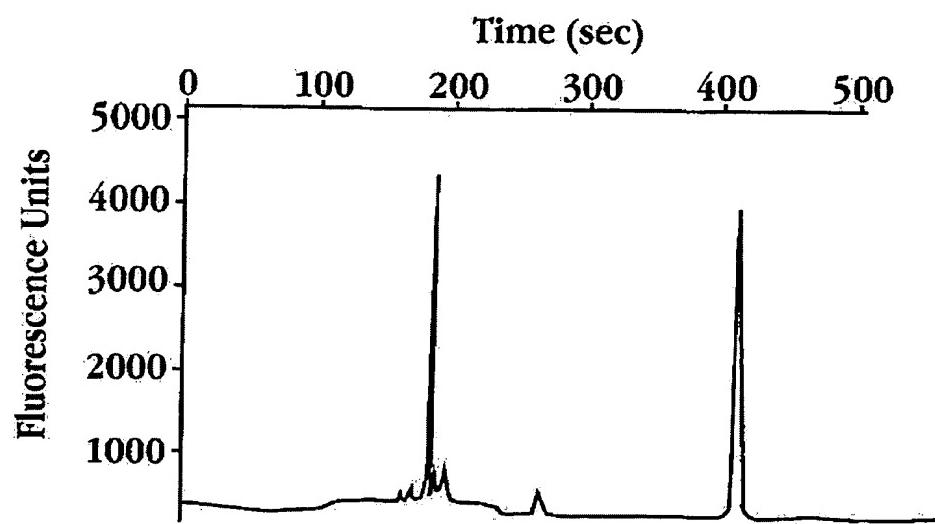


Fig. 25C

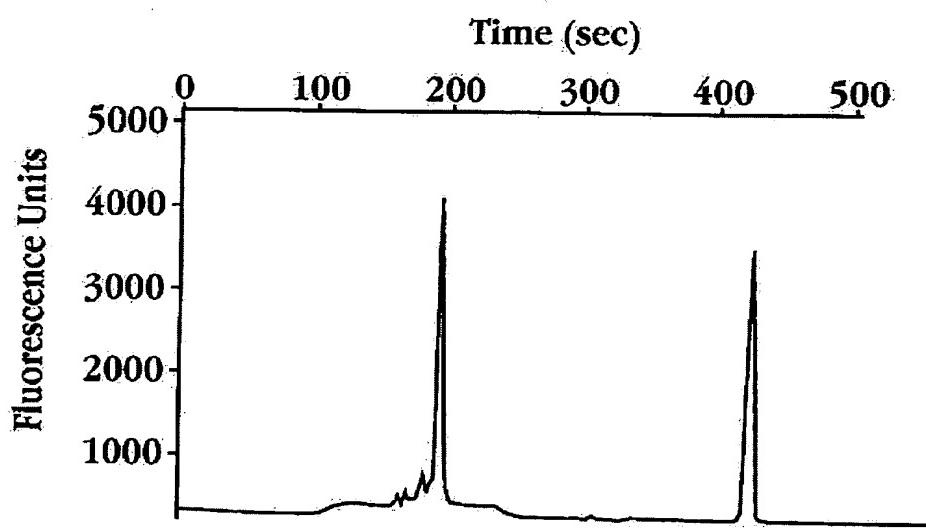


Fig. 25D

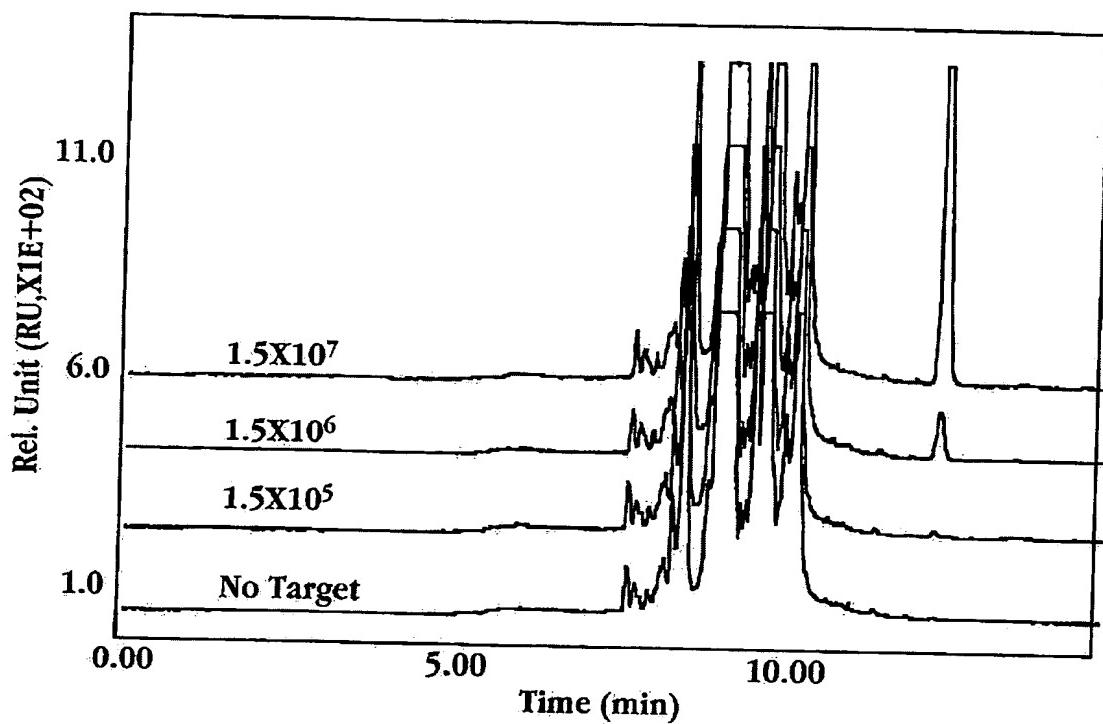


Fig. 26

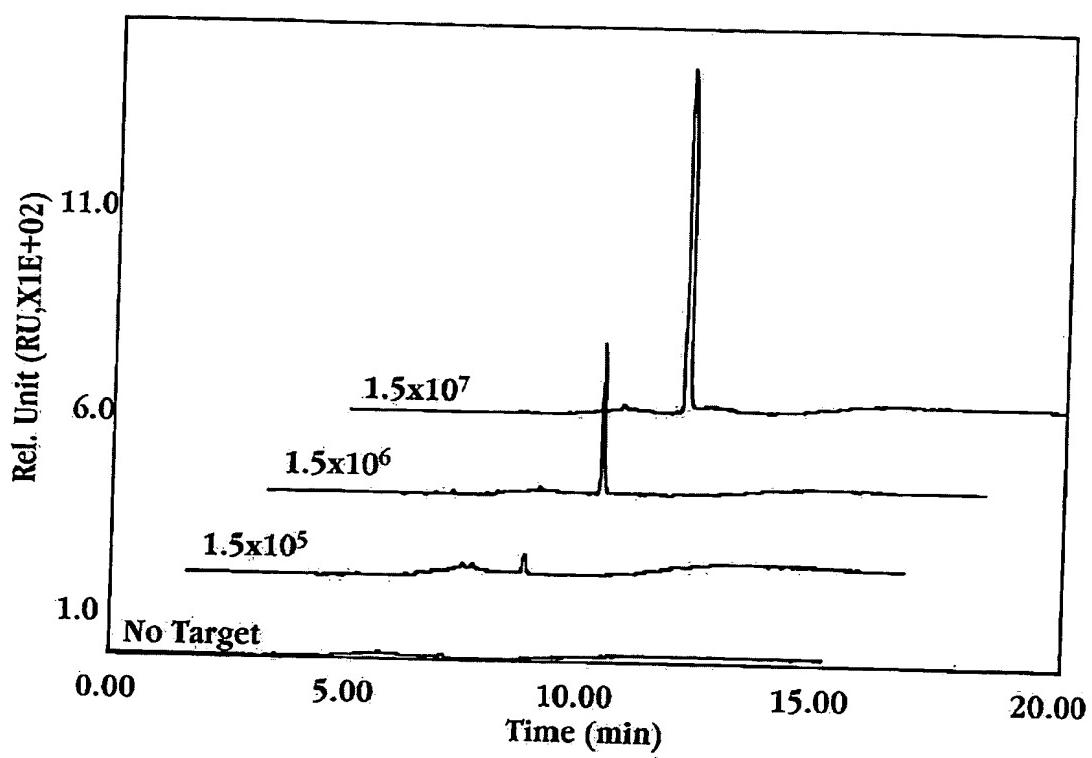


Fig. 27

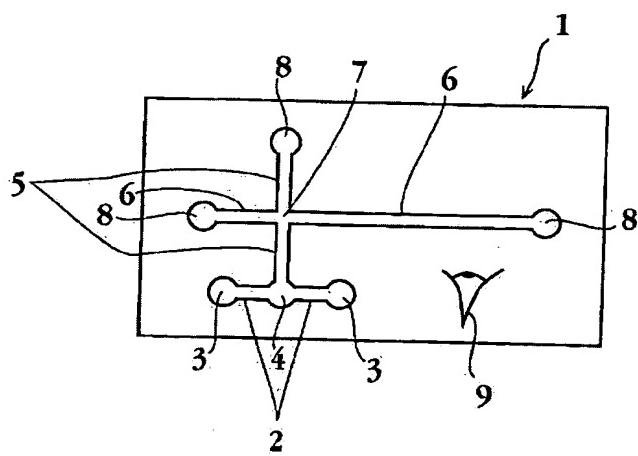


Fig. 28A

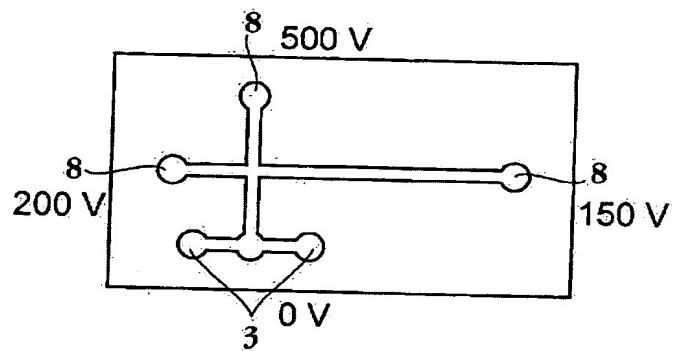


Fig. 28B

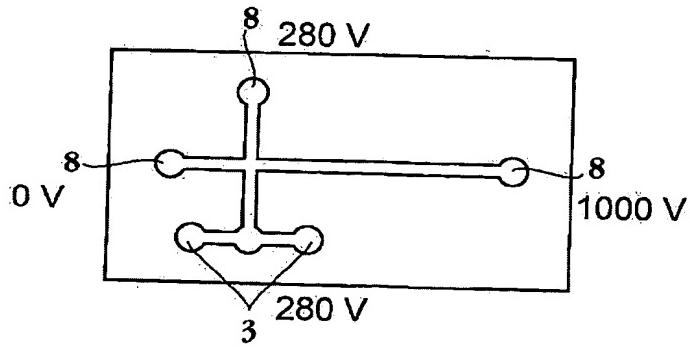


Fig. 28C

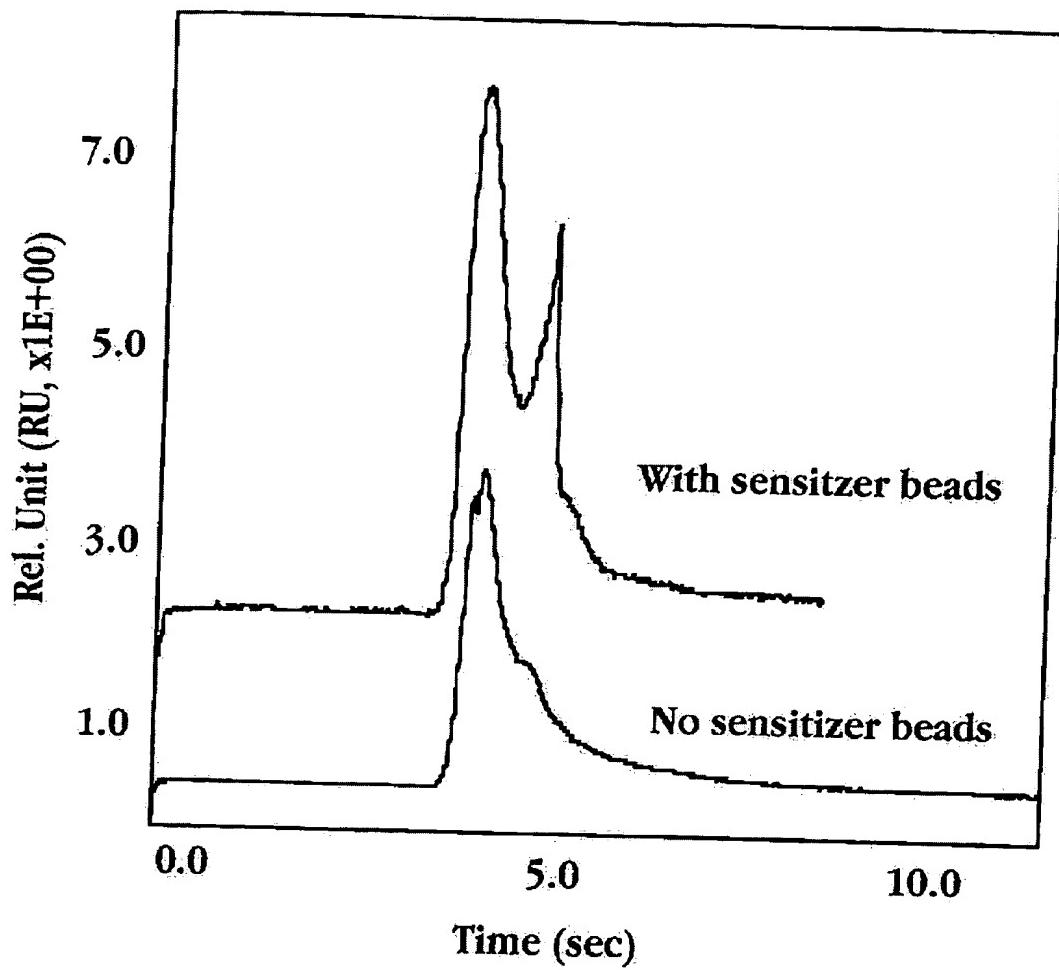


Fig. 29

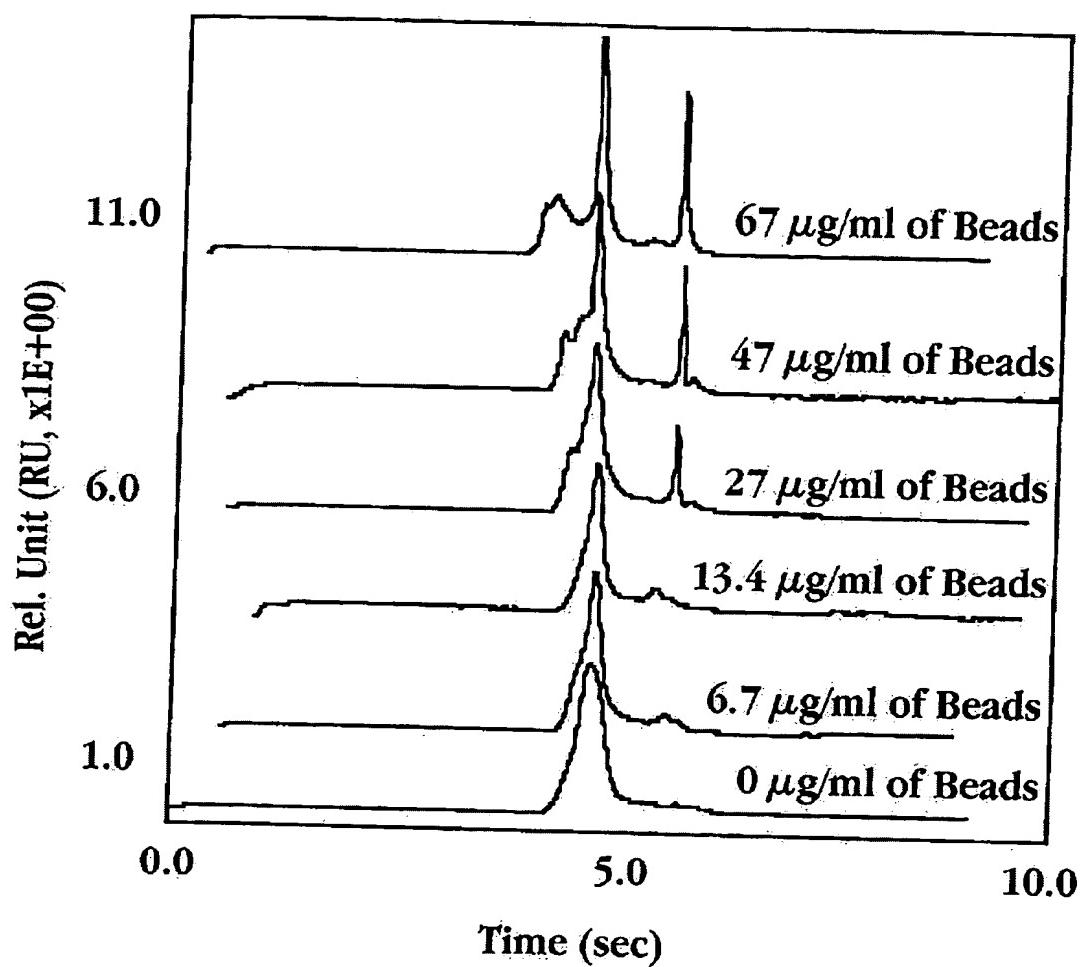


Fig. 30

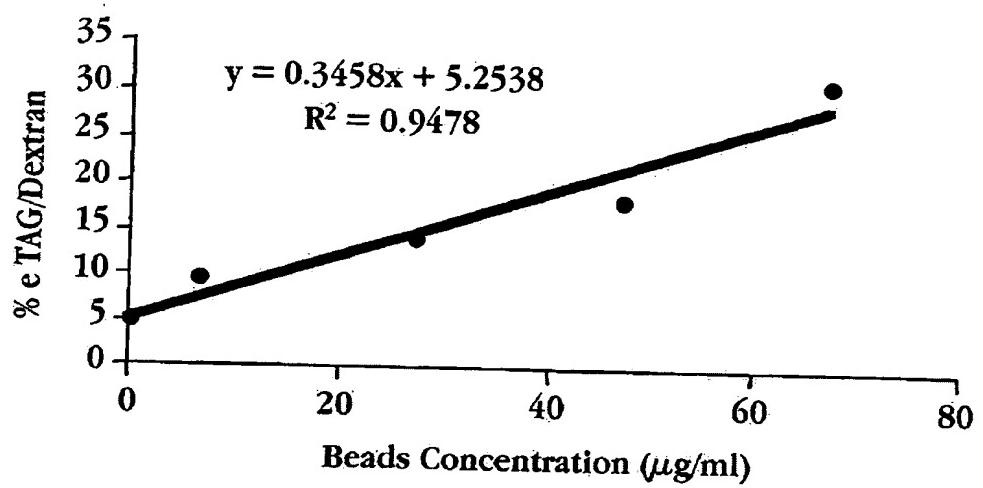


Fig. 31

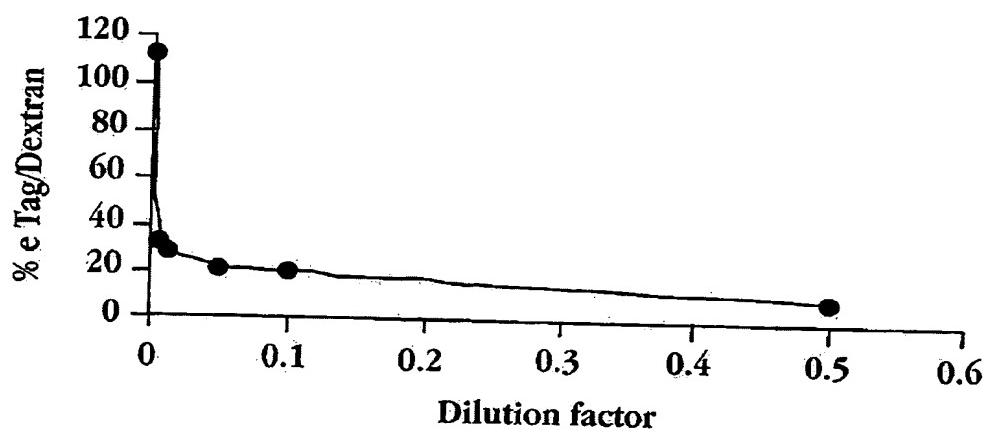


Fig. 32

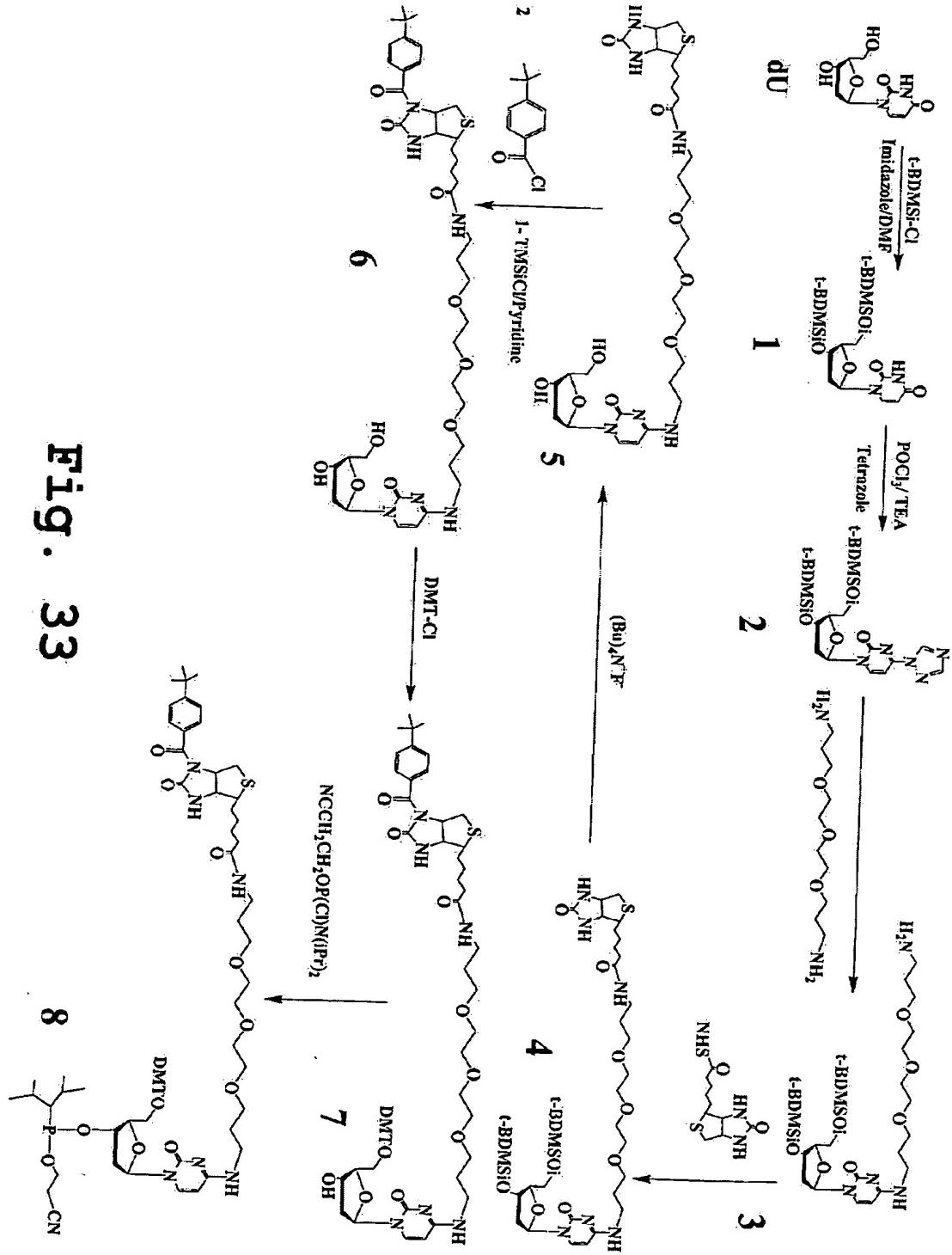


Fig. 33

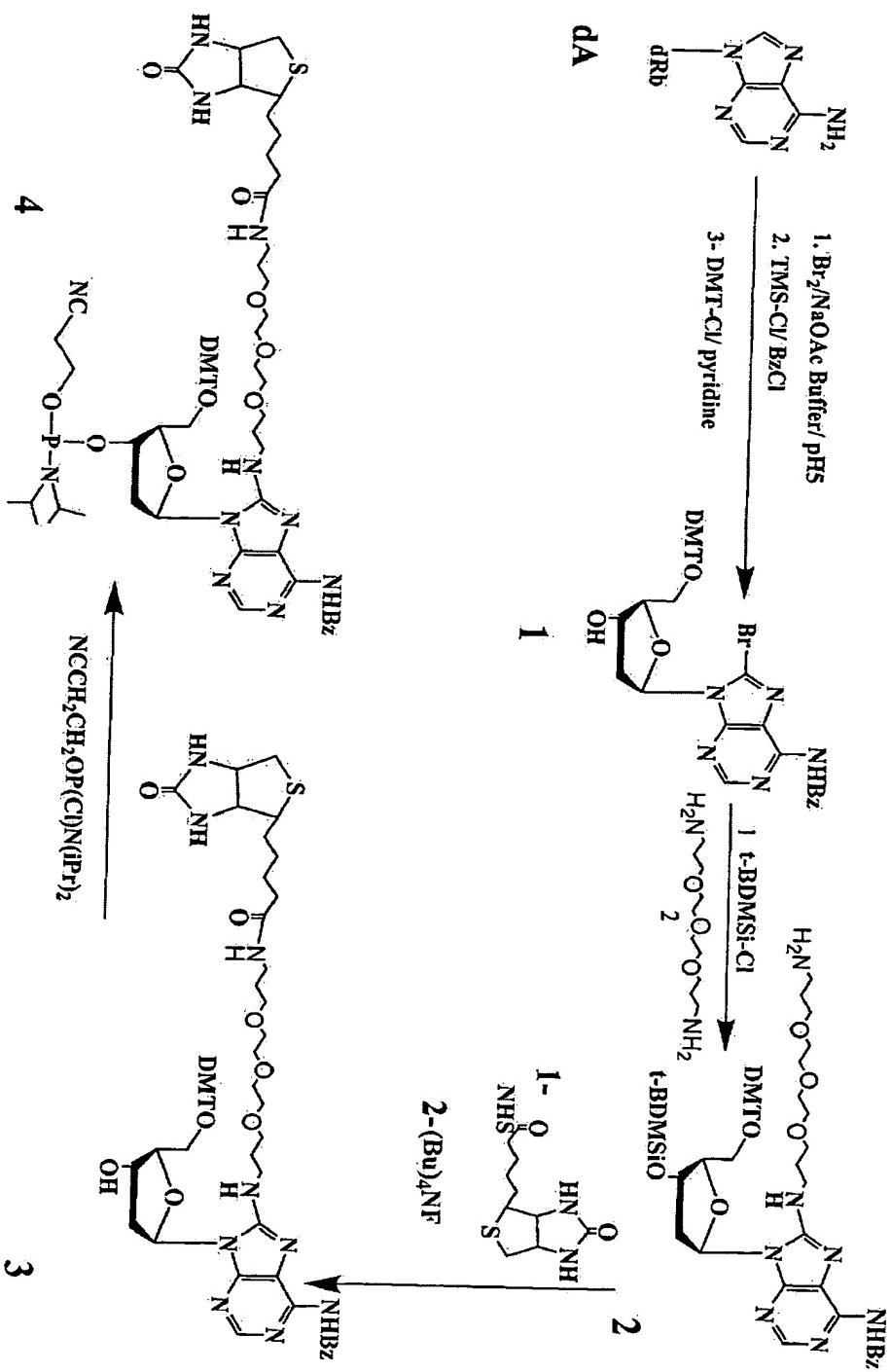


Fig. 34